

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

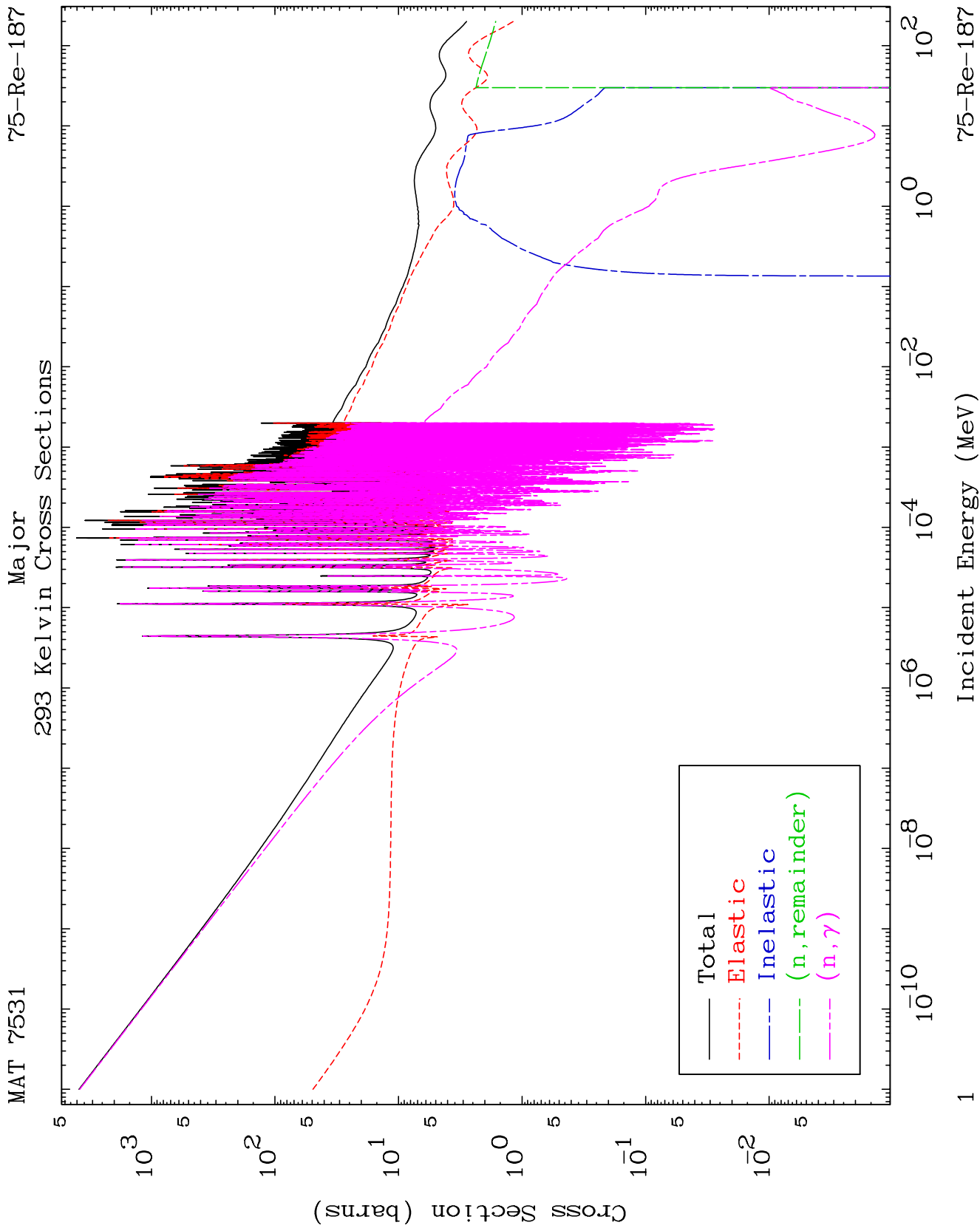
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Web: redcullen1.net/HOMEPAGE.NEW

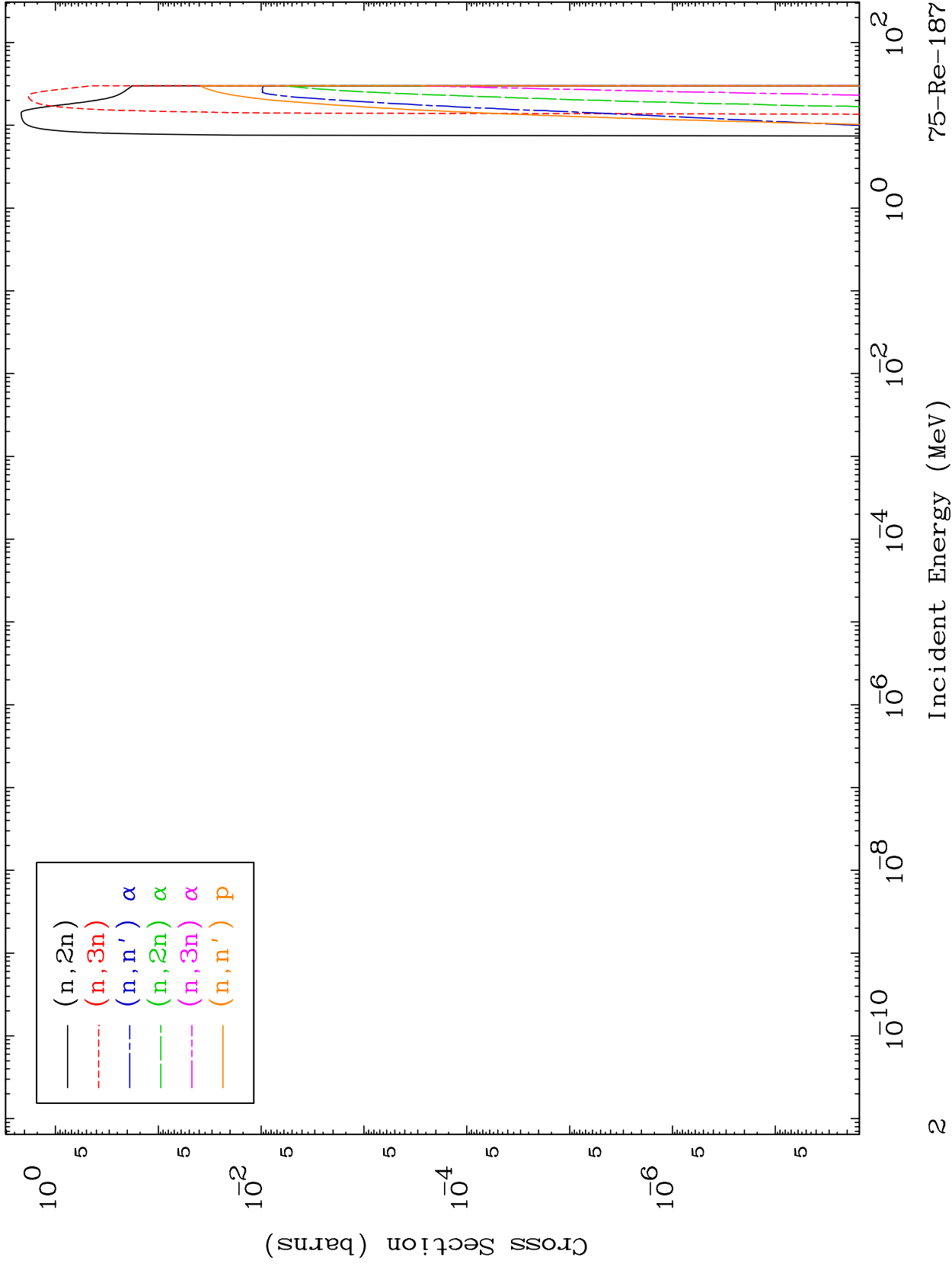
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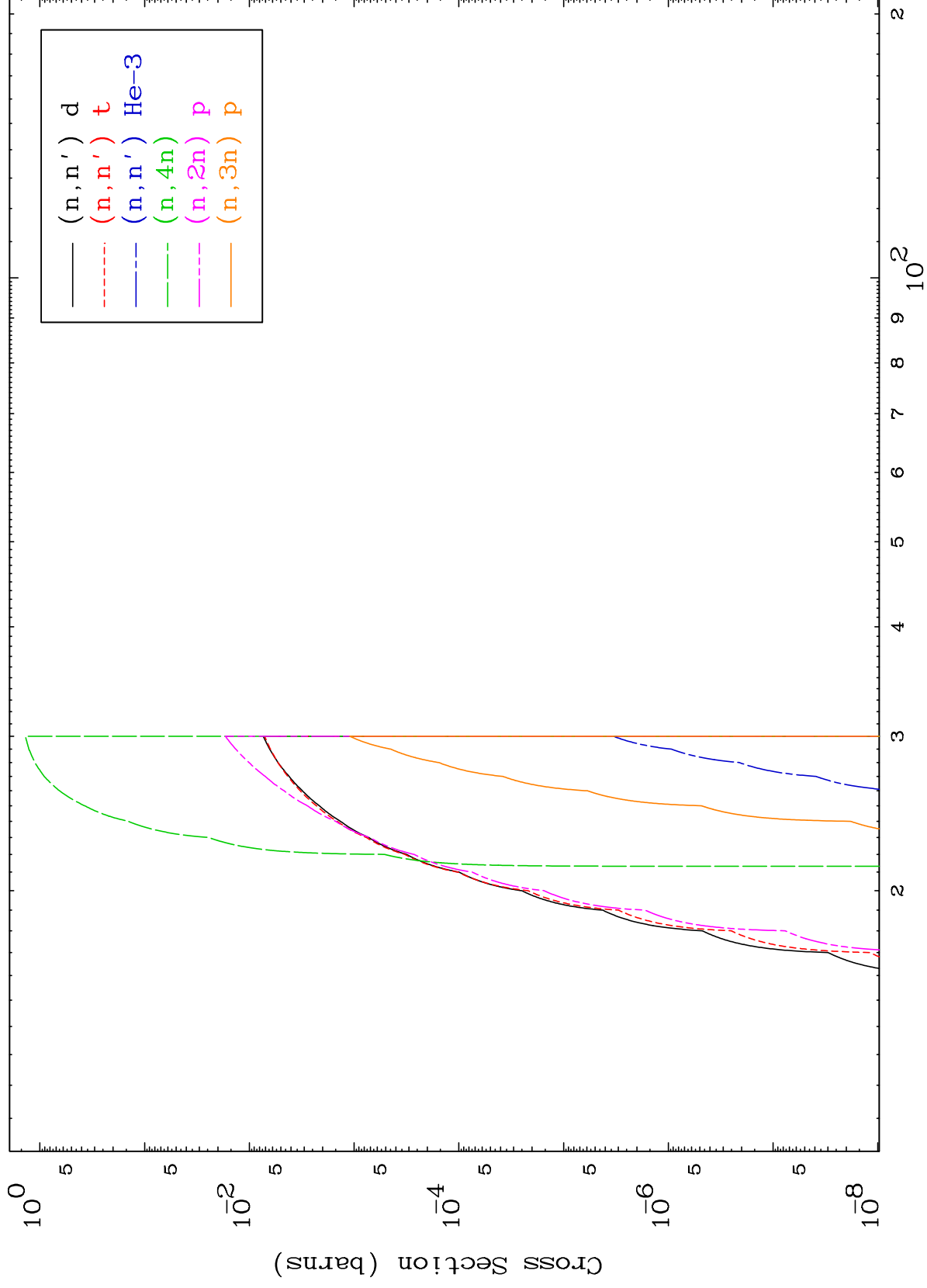


MAT 7531

Neutron Production
293 Kelvin Cross Sections

75-Re-187

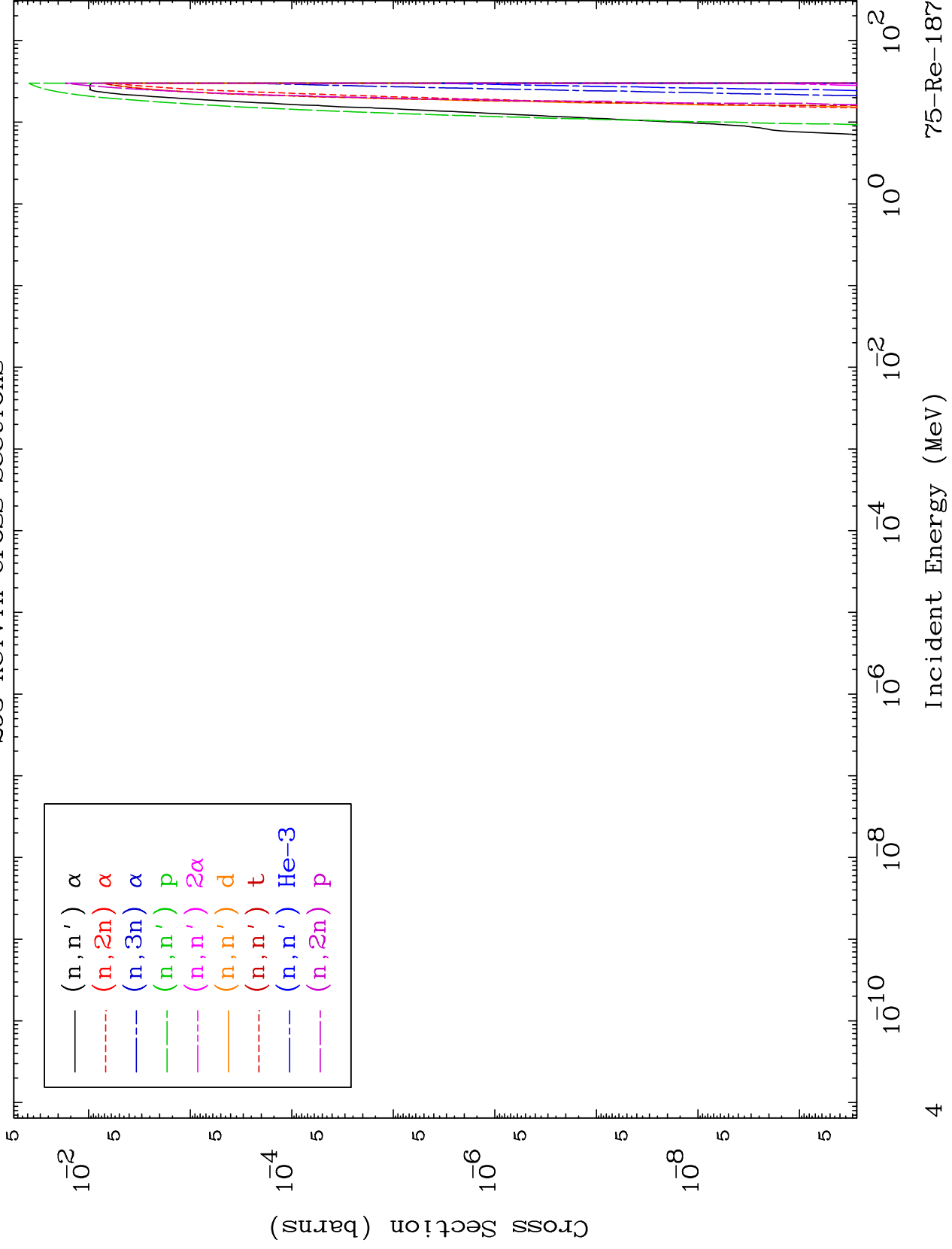




MAT 7531

Charged Particle
293 Kelvin Cross Sections

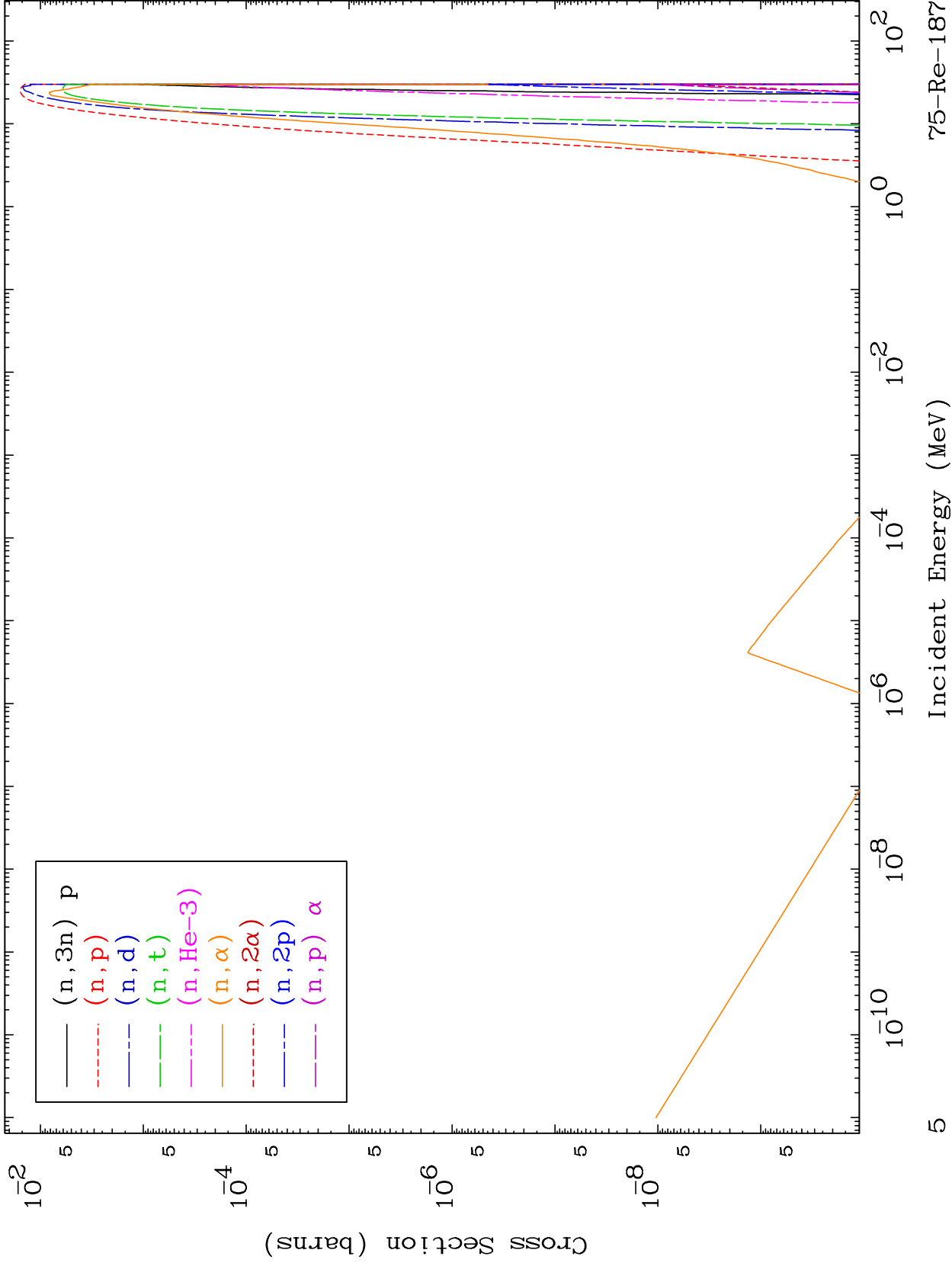
75-Re-187



MAT 7531

Charged Particle
293 Kelvin Cross Sections

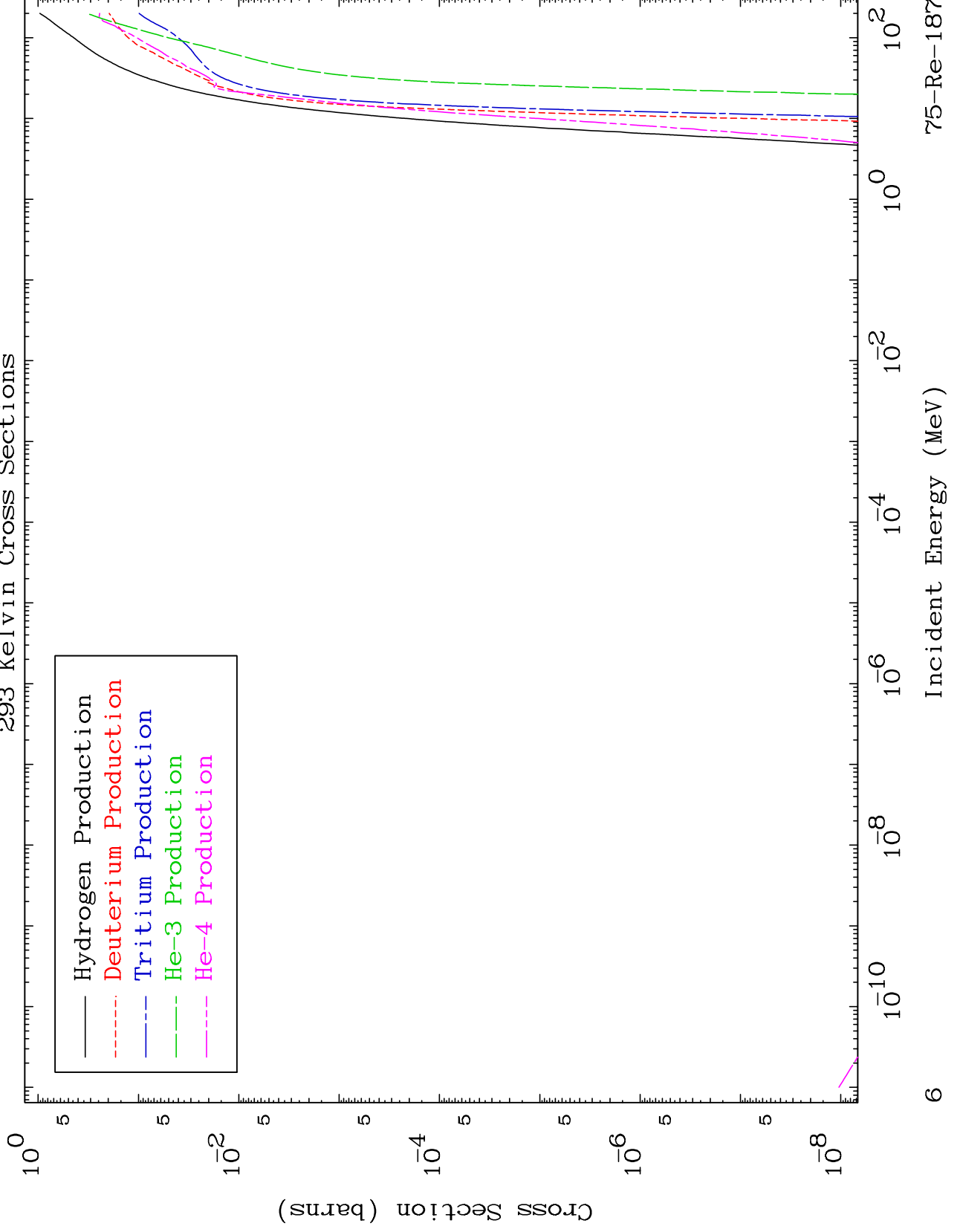
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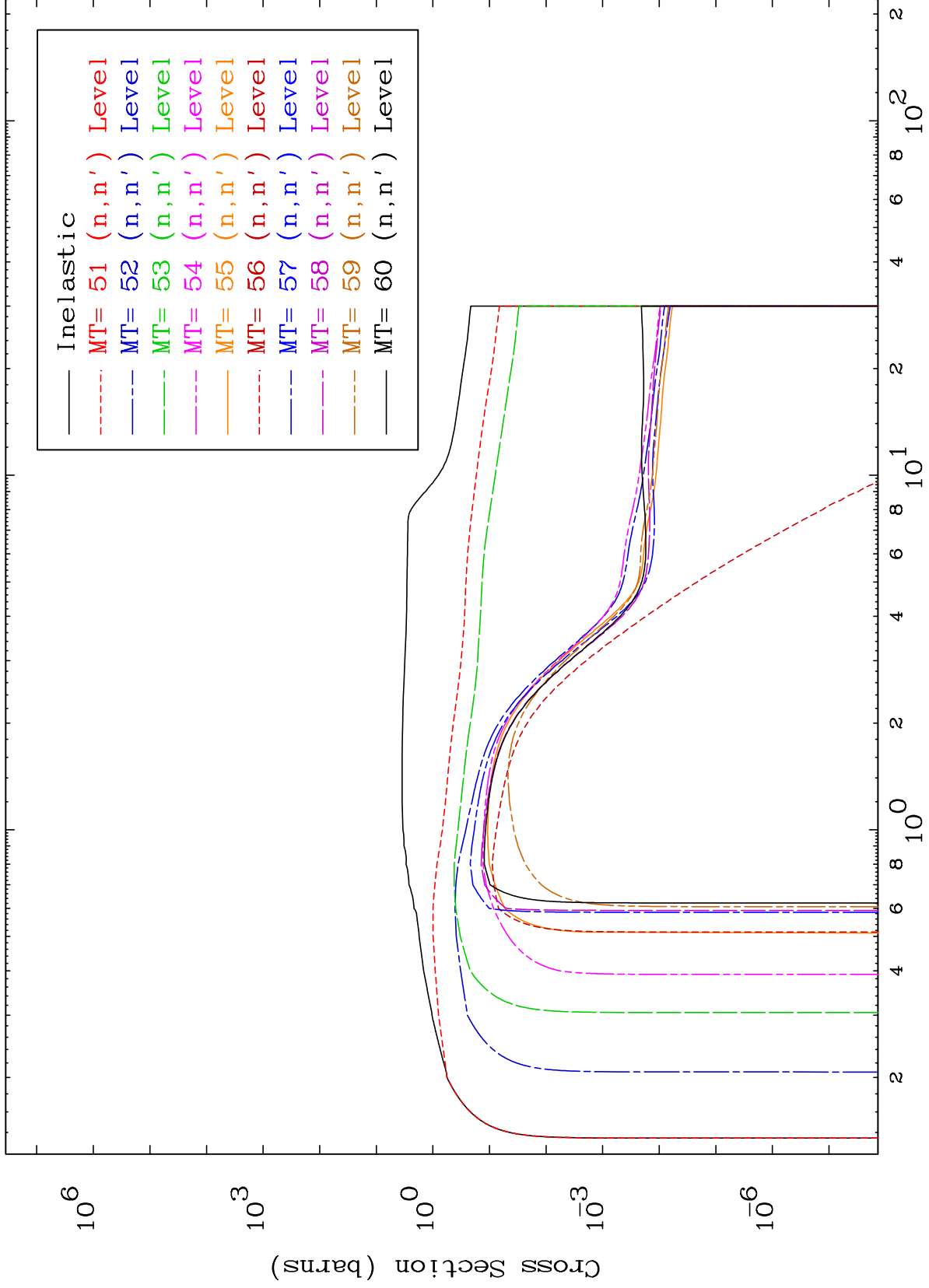
MAT 7531

Particle Production
293 Kelvin Cross Sections

75-Re-187



293 Kelvin Cross Sections

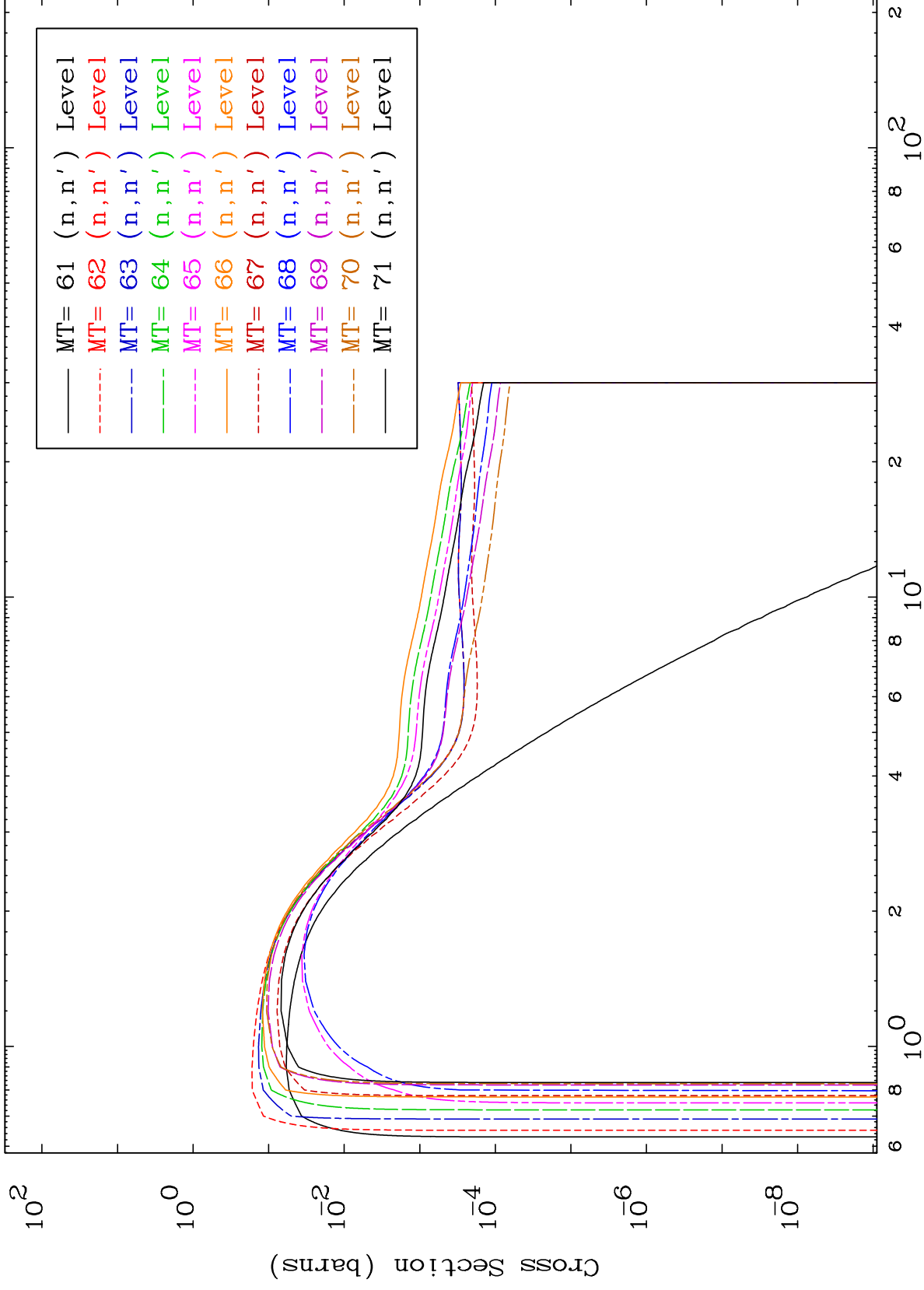


MAT 7531

(n,n') Level

293 Kelvin Cross Sections

75-Re-187



Incident Energy (MeV)

75-Re-187

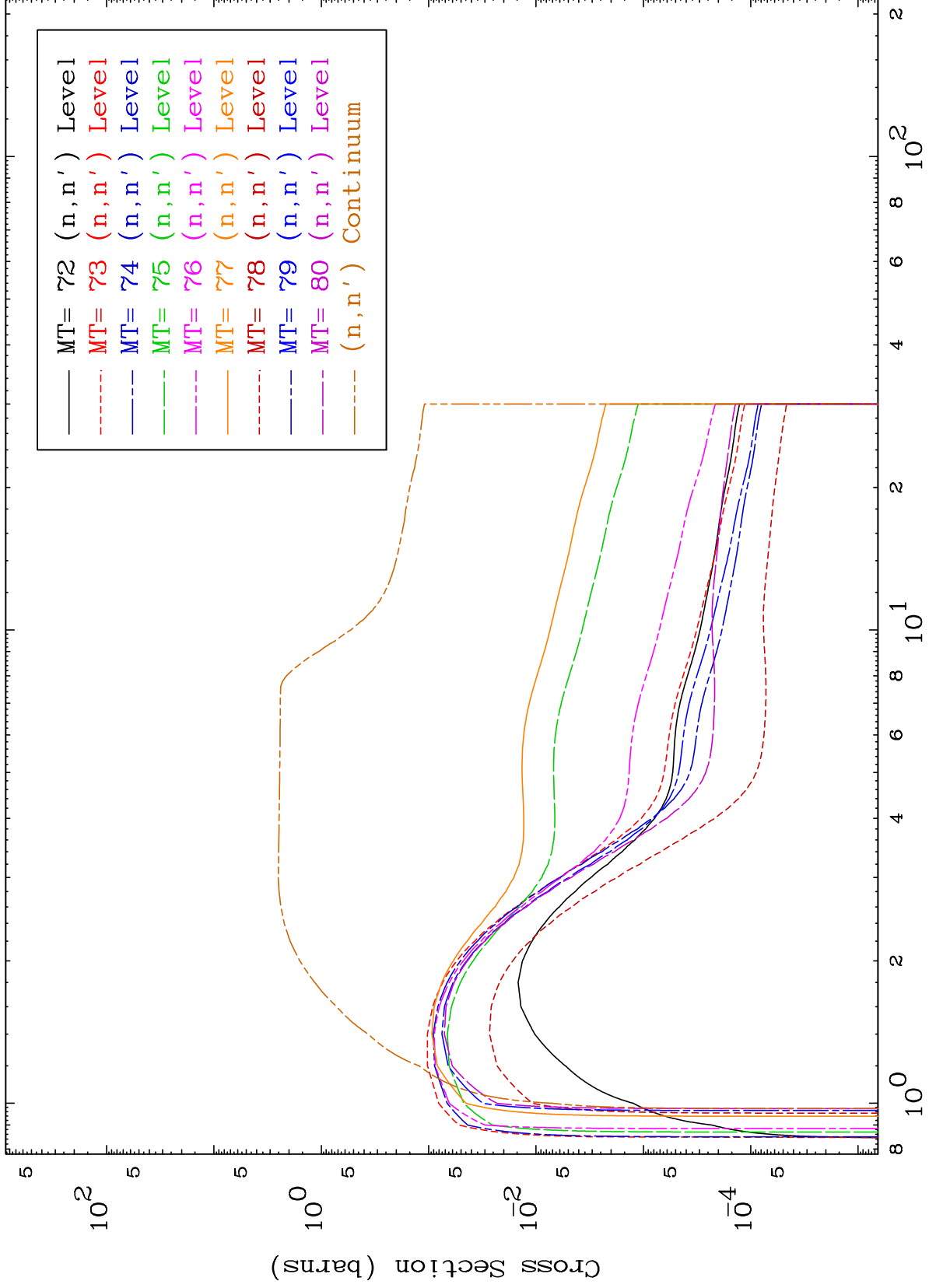
8

MAT 7531

(n,n') Level

75-Re-187

293 Kelvin Cross Sections



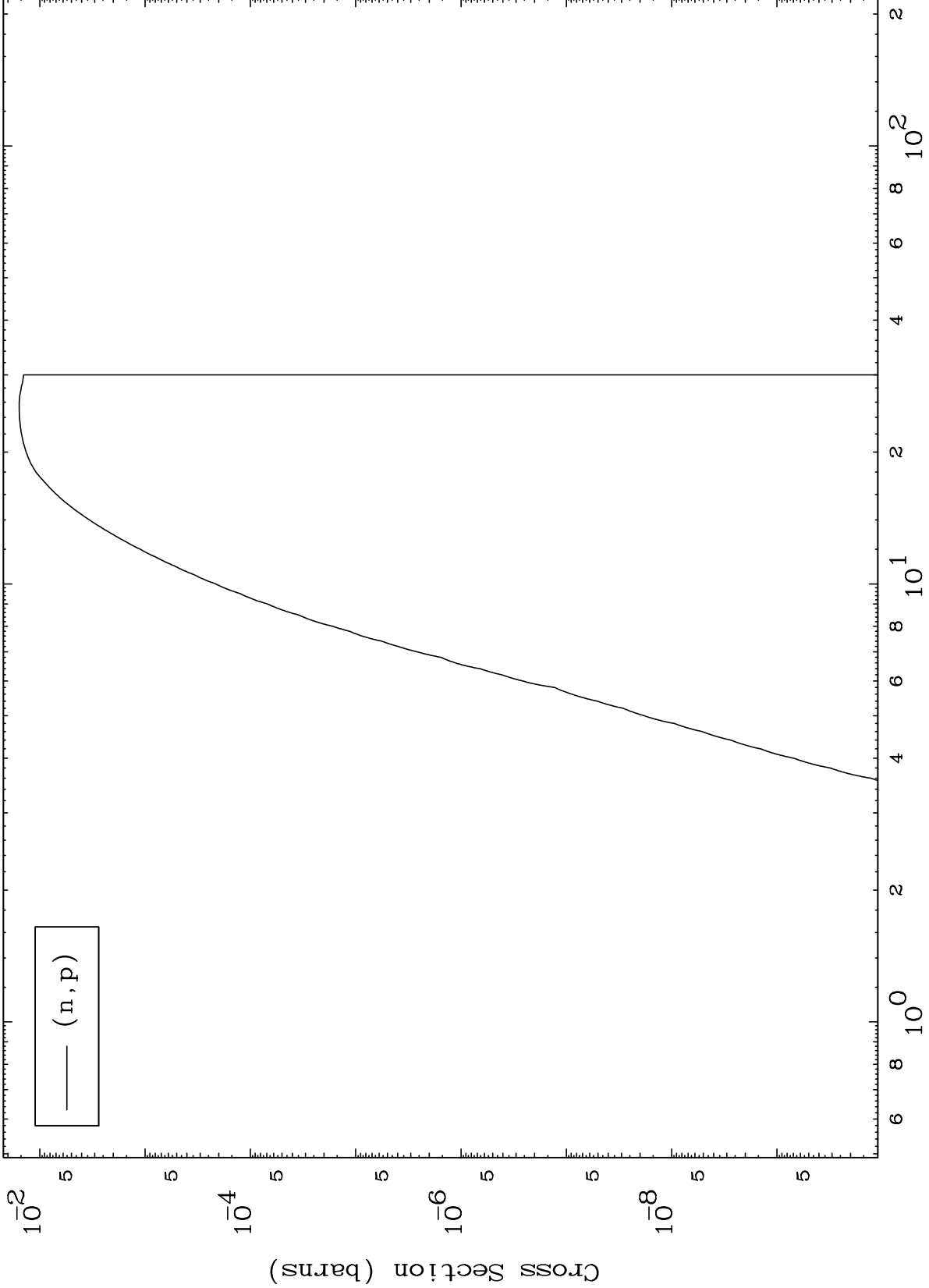
Incident Energy (MeV)

75-Re-187

MAT 7531

(n,p) Levels
293 Kelvin Cross Sections

75-Re-187



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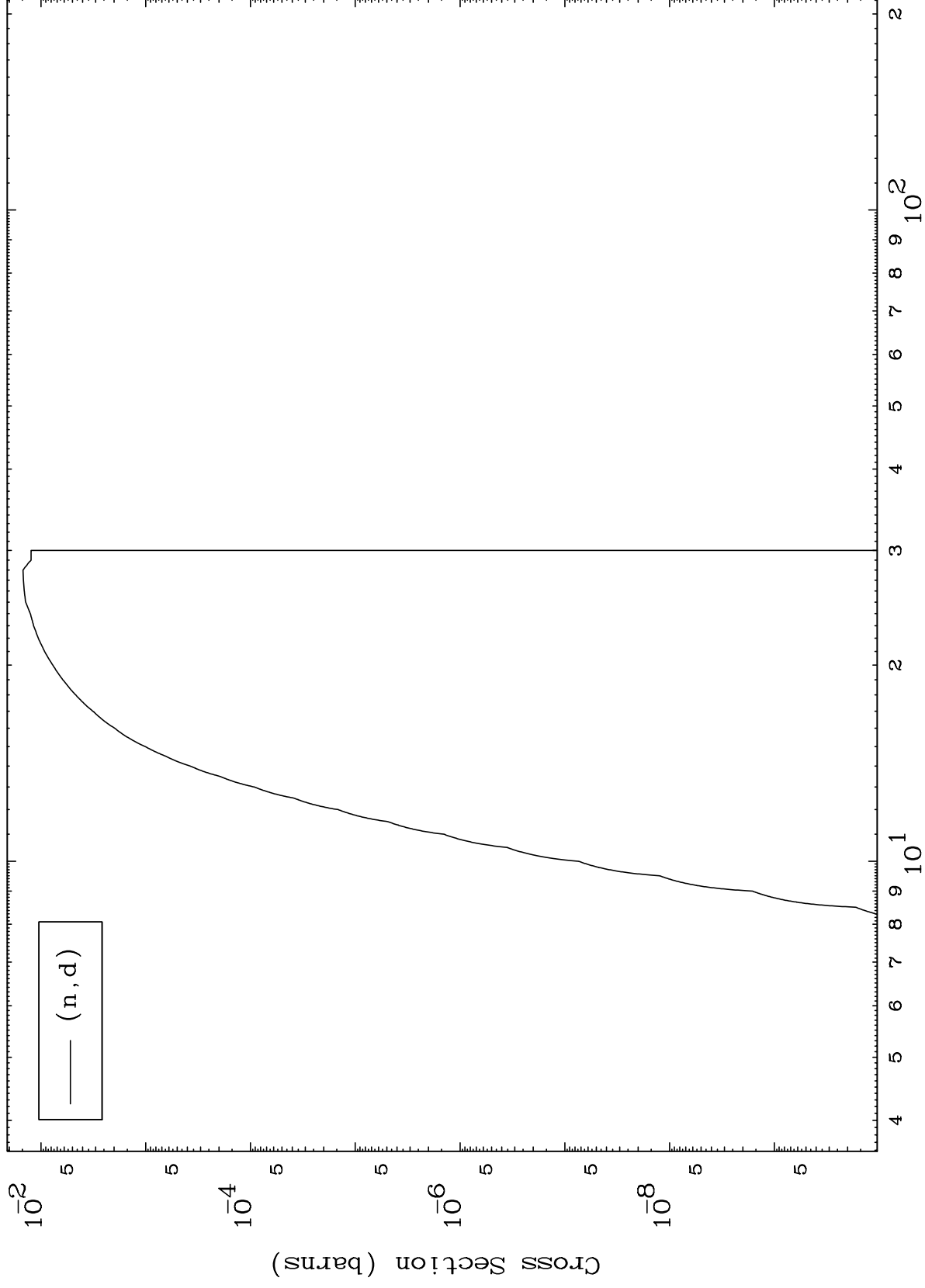
Incident Energy (MeV)

75-Re-187

MAT 7531

75-Re-187

(n,d) Levels
293 Kelvin Cross Sections



75-Re-187

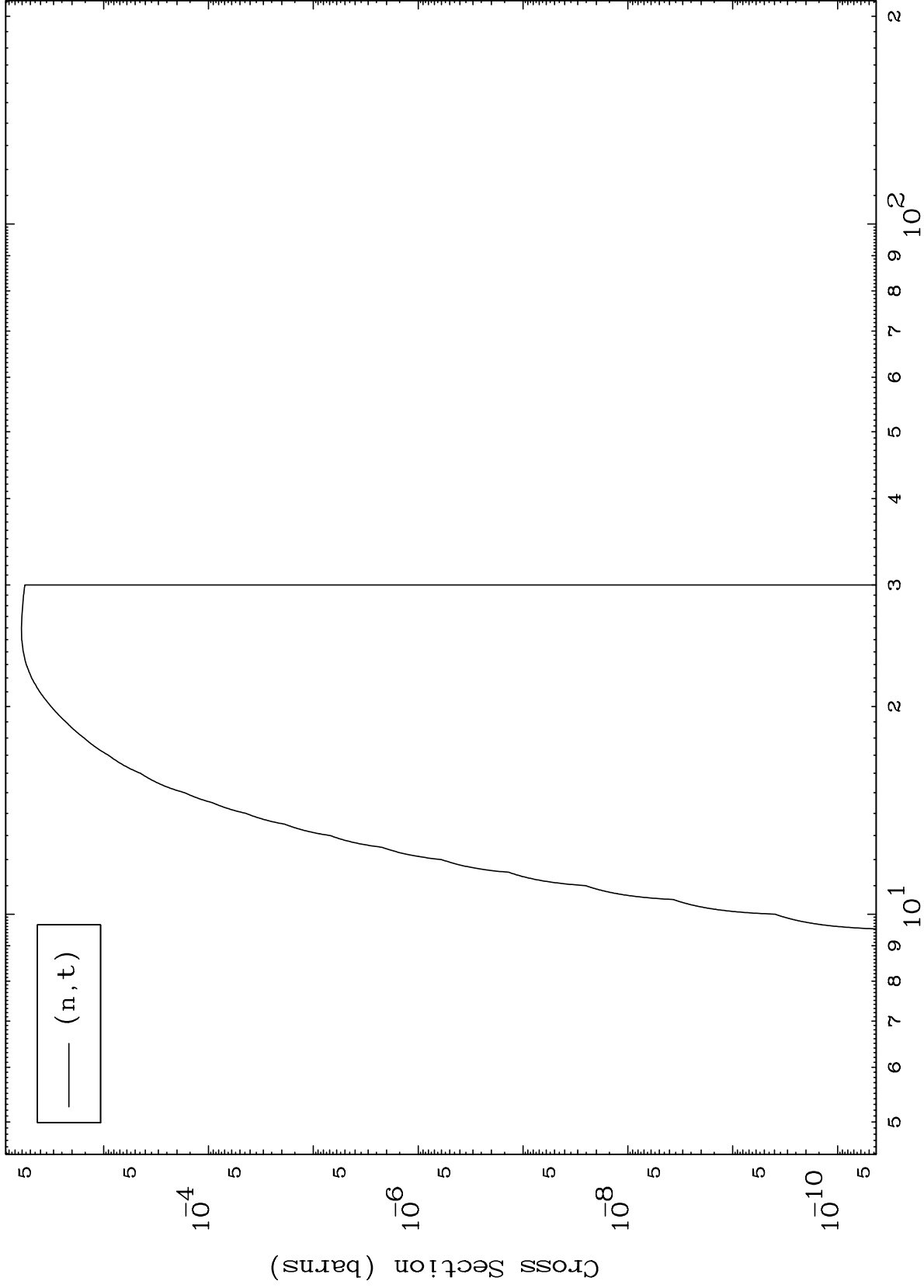
Incident Energy (MeV)

11

MAT 7531

(n,t) Levels
293 Kelvin Cross Sections

75-Re-187



12

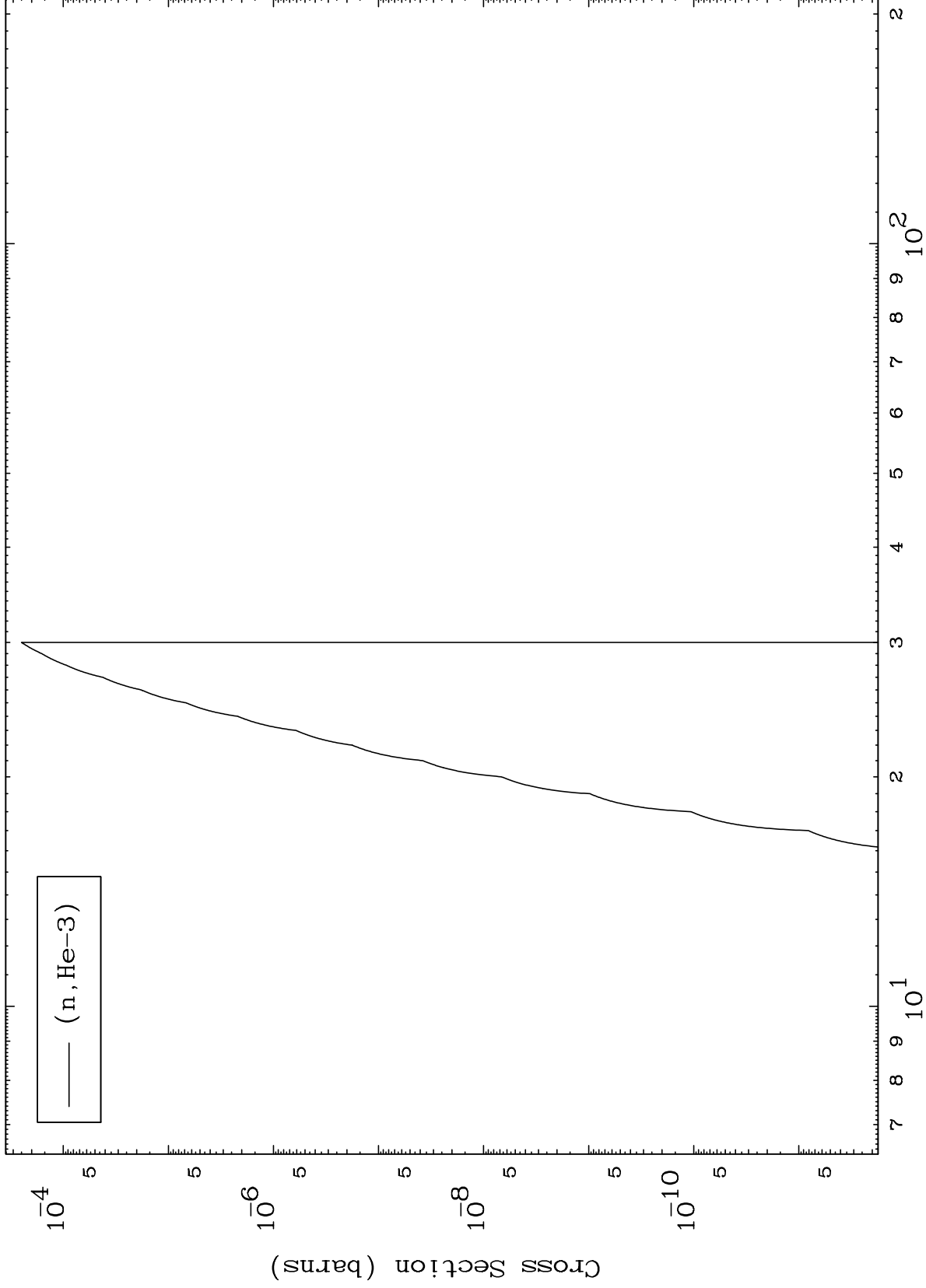
Incident Energy (MeV)

75-Re-187

MAT 7531

(n,He3) Levels
293 Kelvin Cross Sections

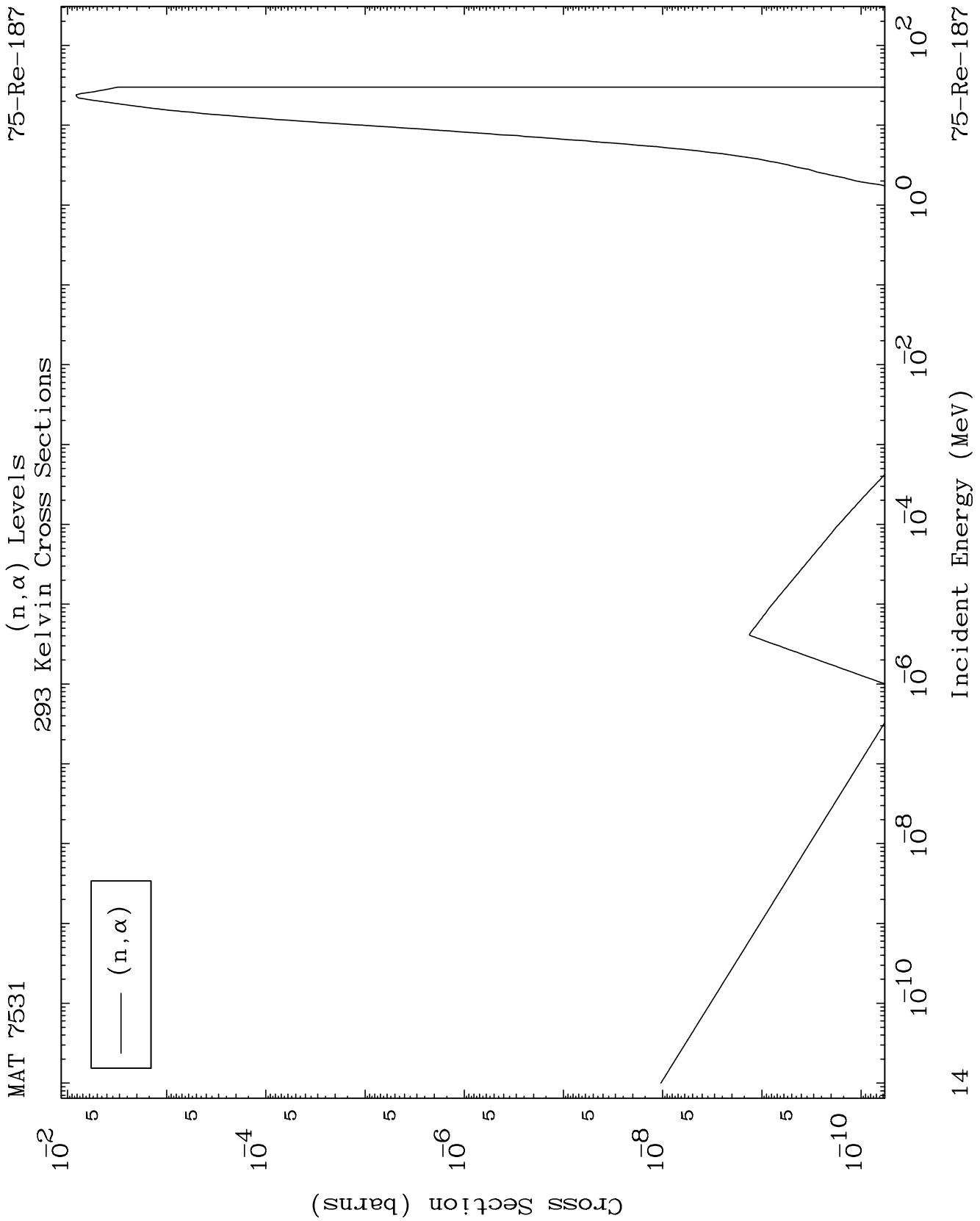
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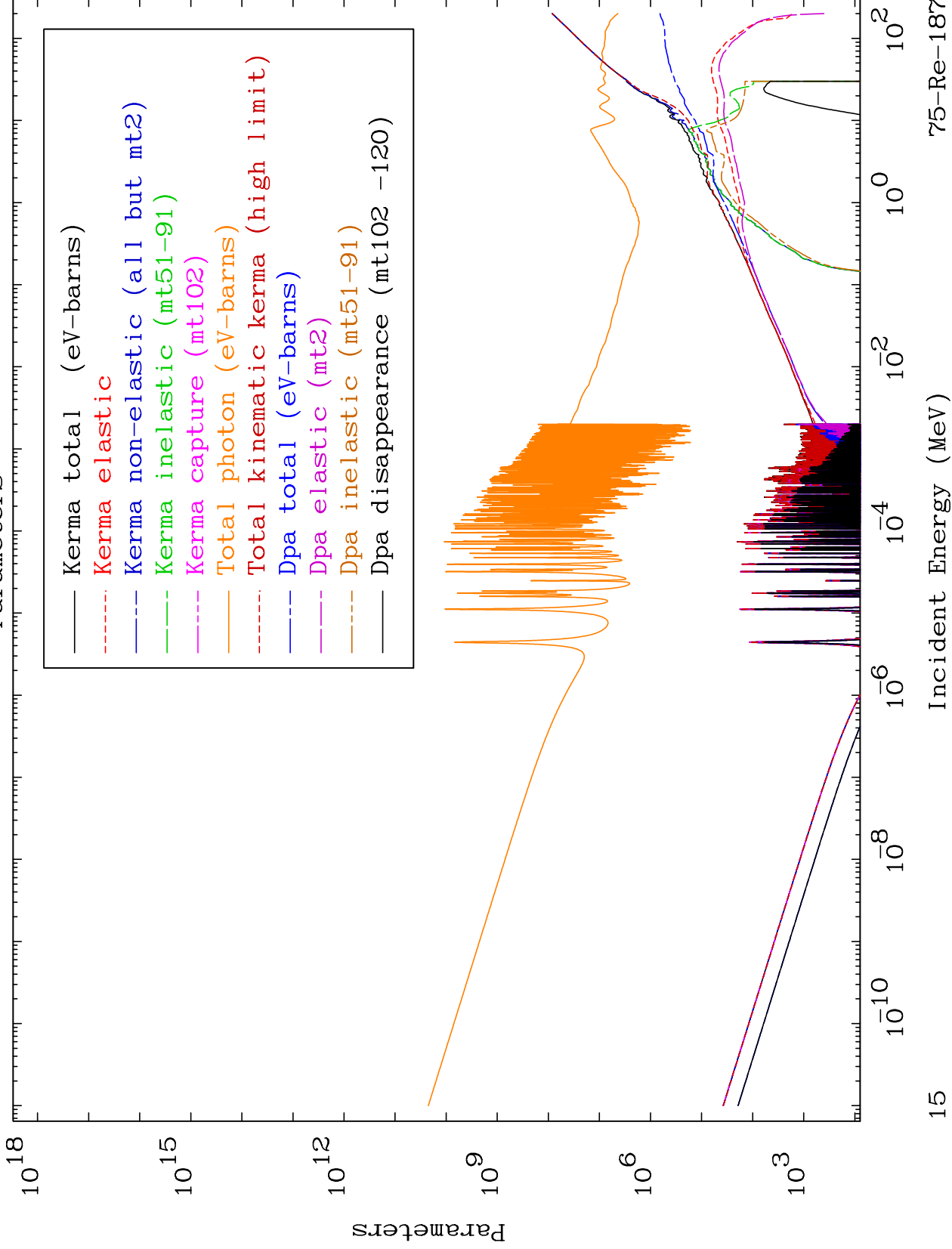


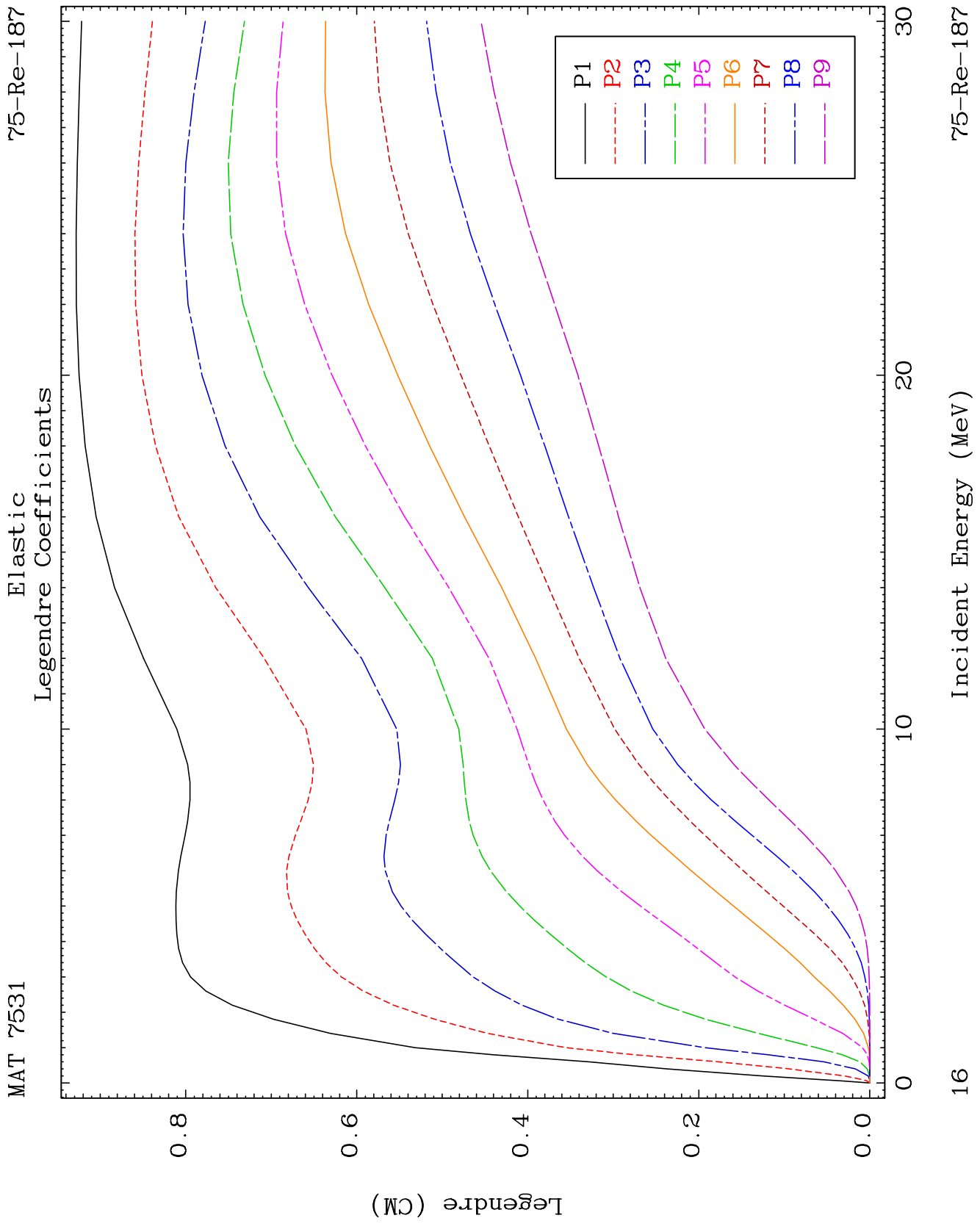
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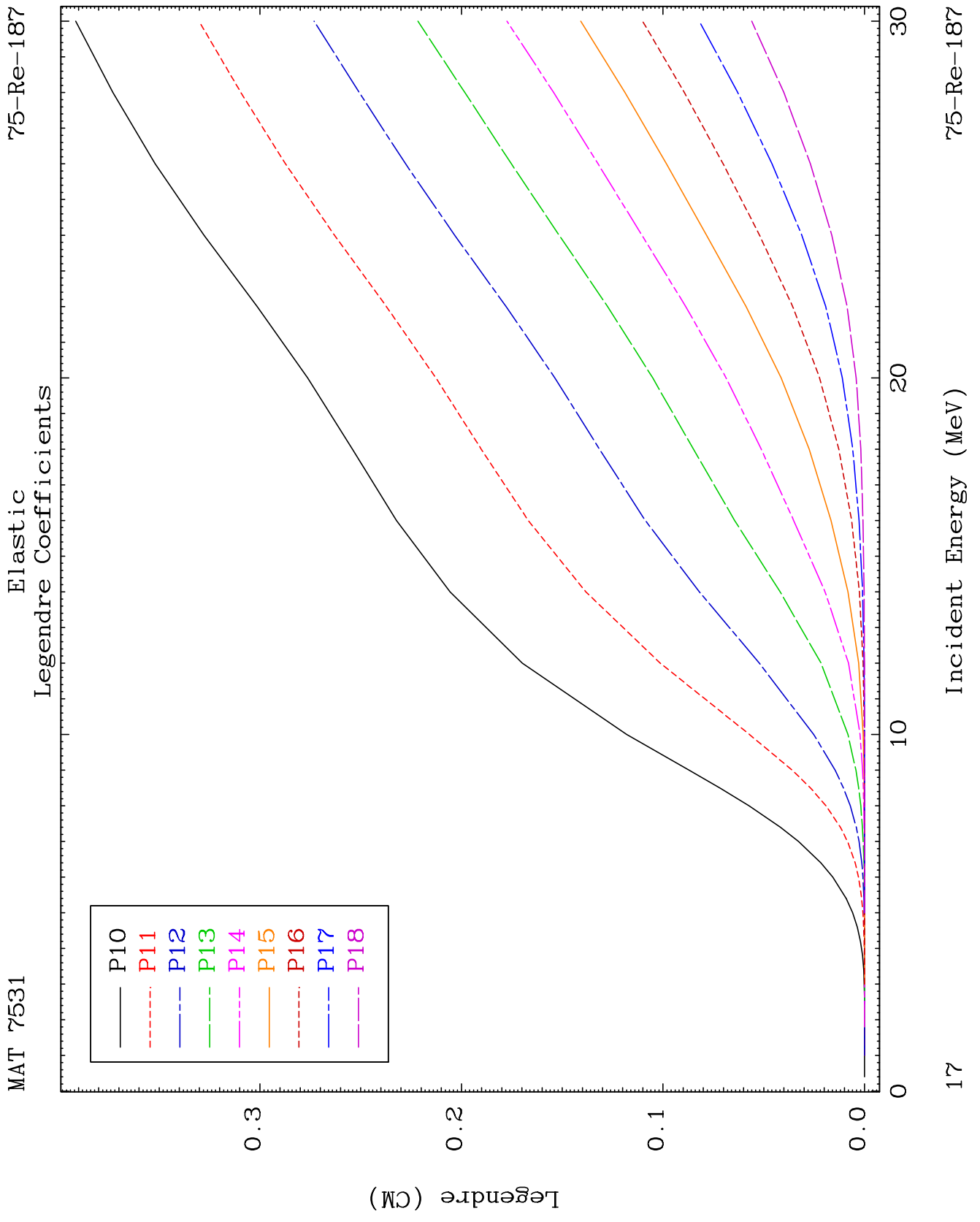
Incident Energy (MeV)

75-Re-187





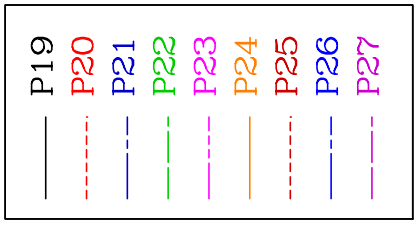
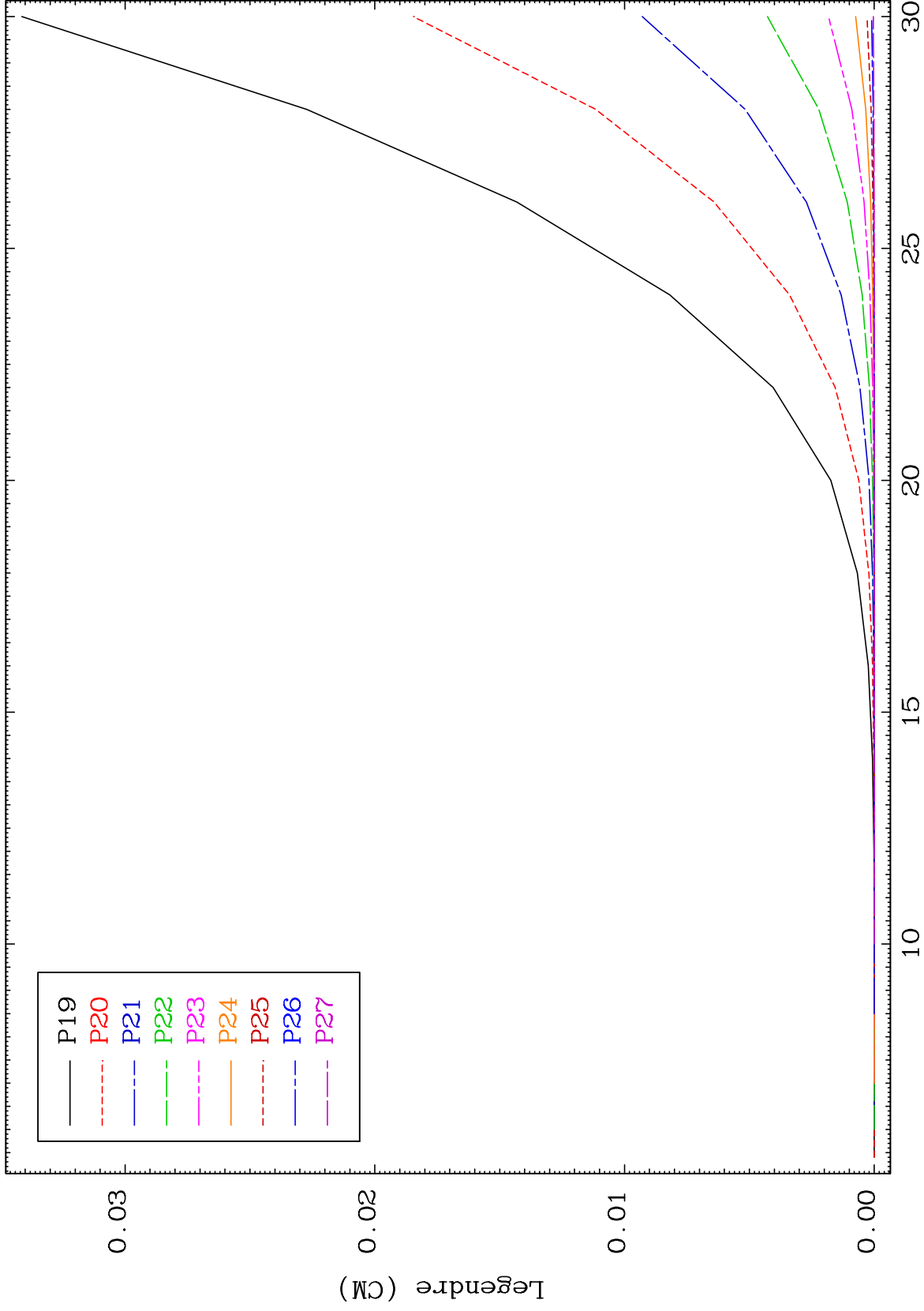




MAT 7531

Elastic
Legendre Coefficients

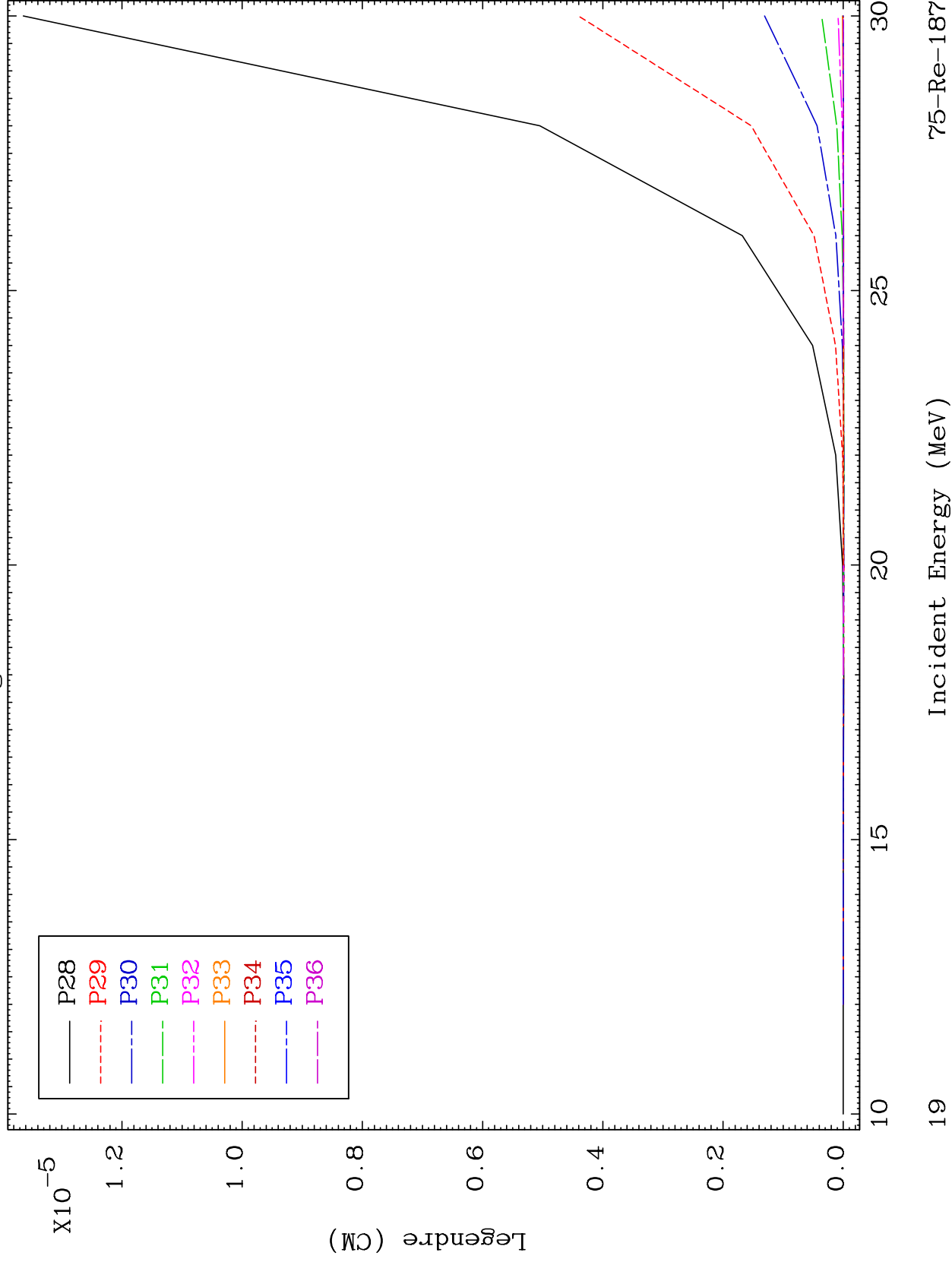
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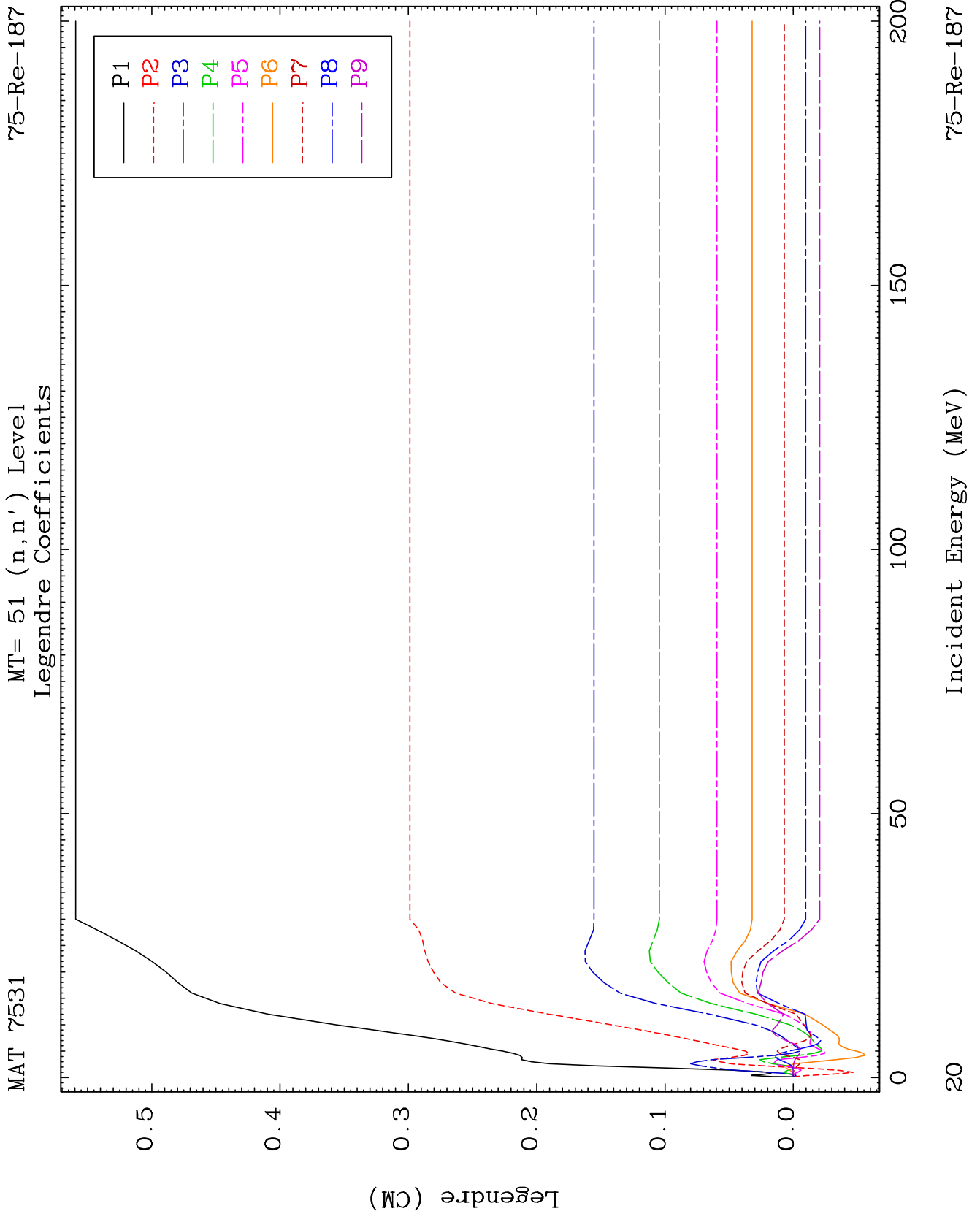


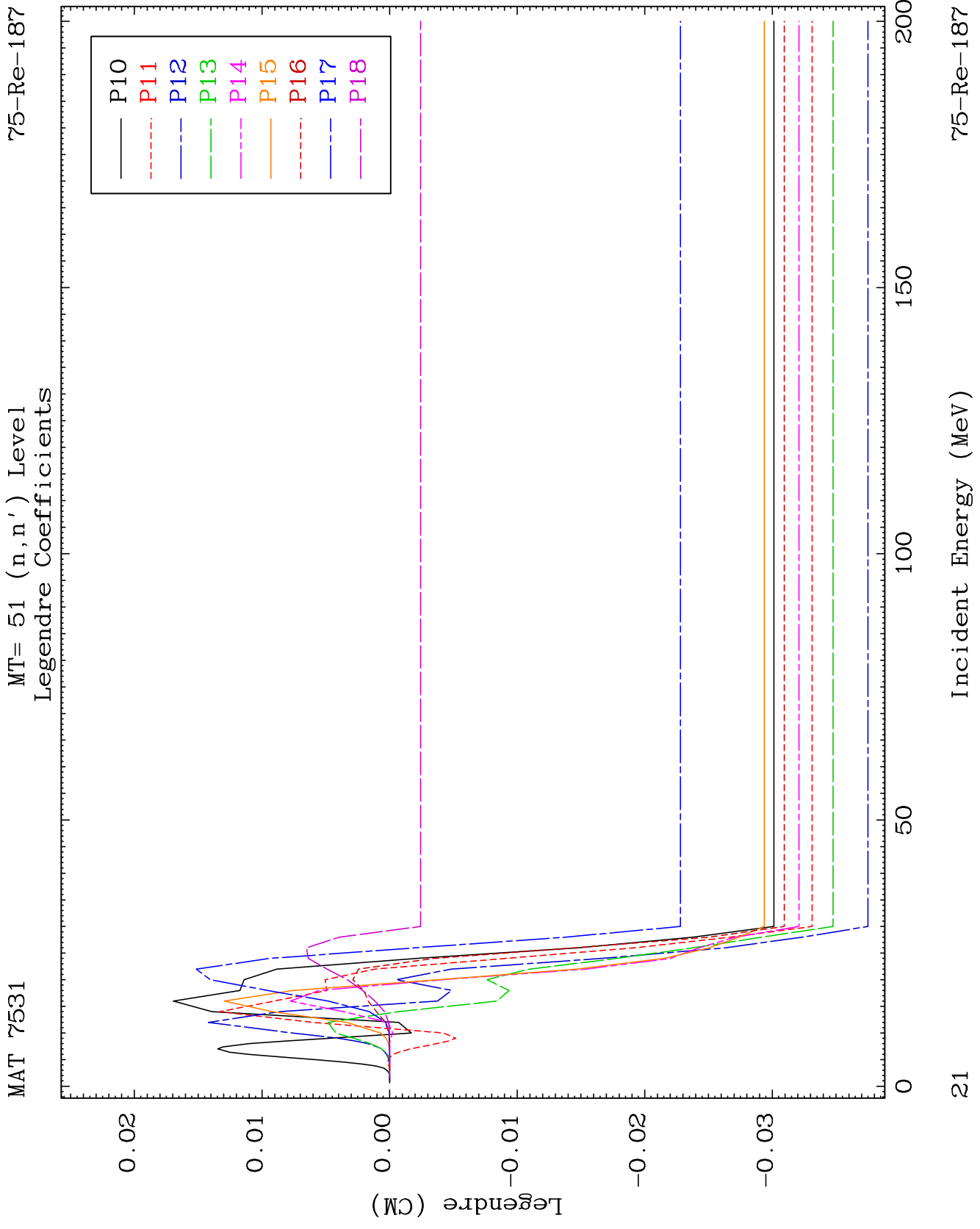
MAT 7531

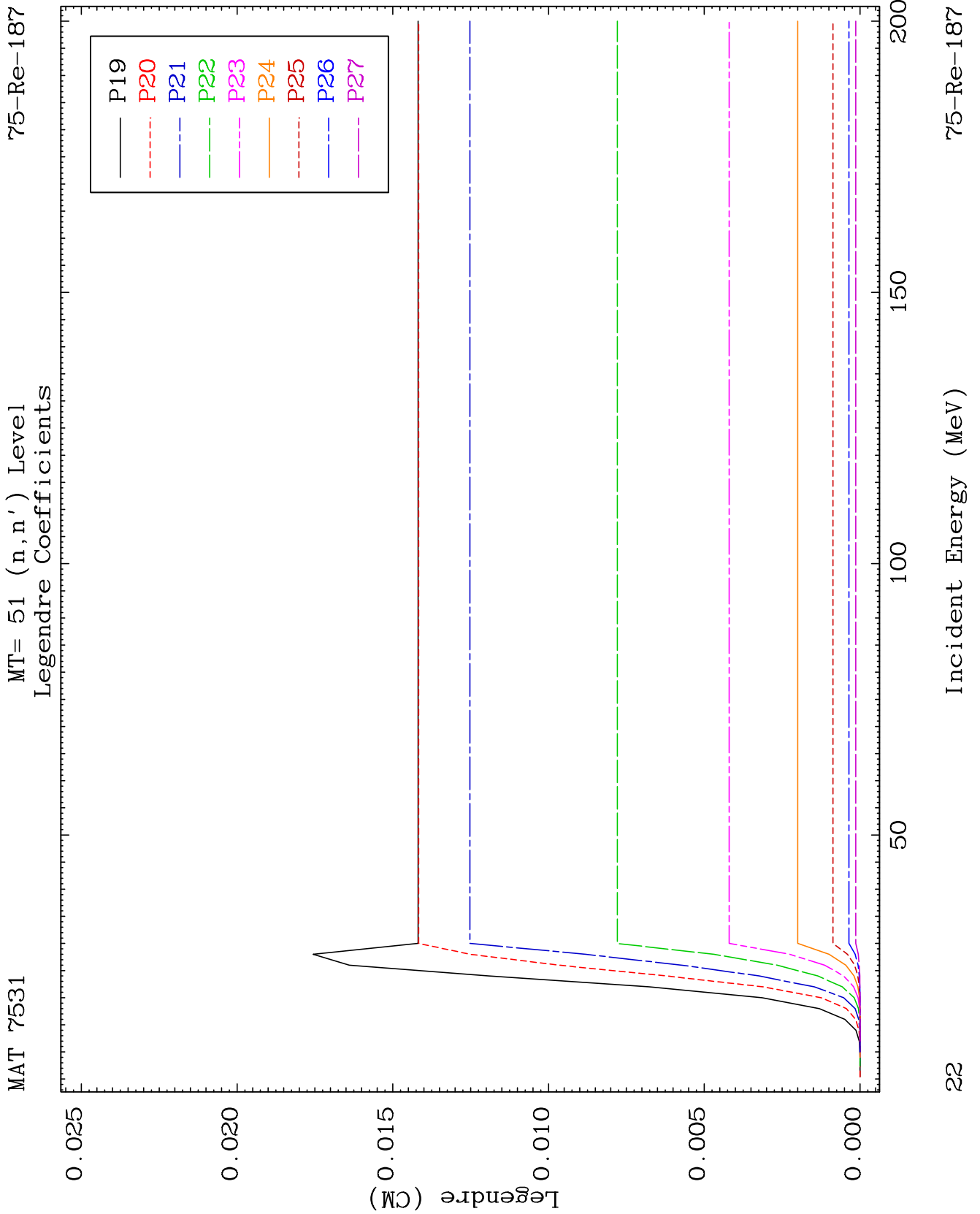
Elastic
Legendre Coefficients

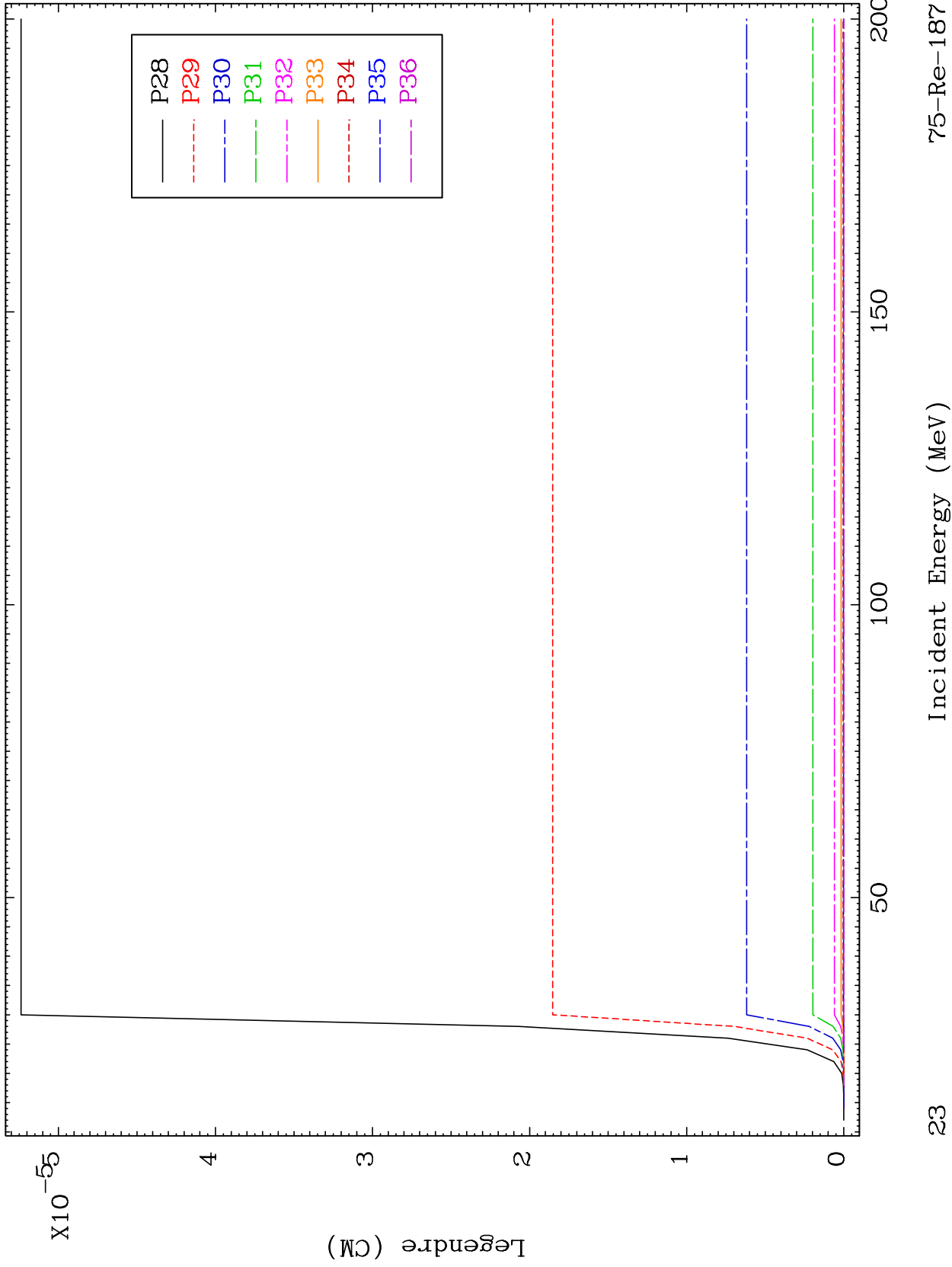
75-Re-187







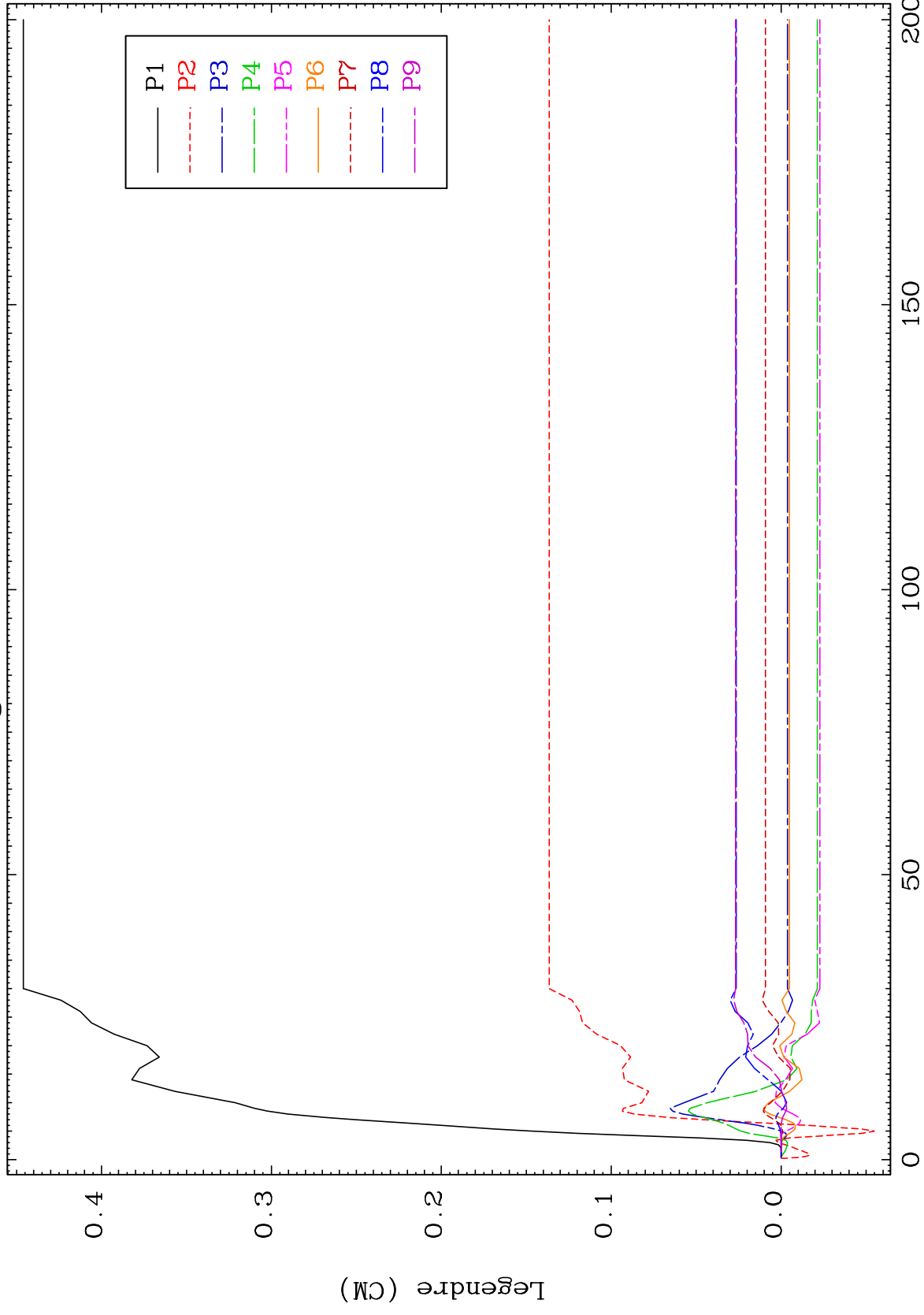




MAT 7531

MT= 52 (n,n') Level
Legendre Coefficients

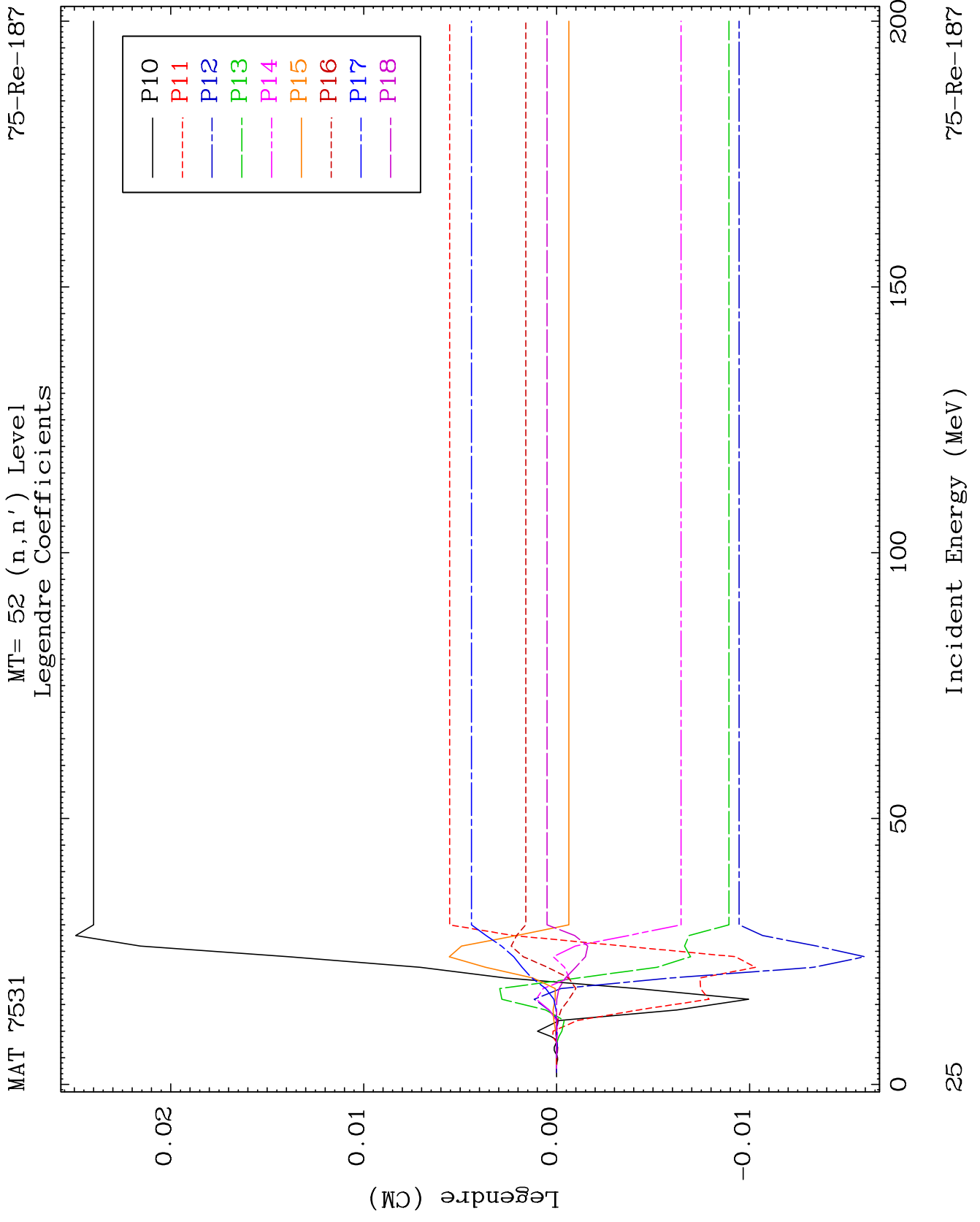
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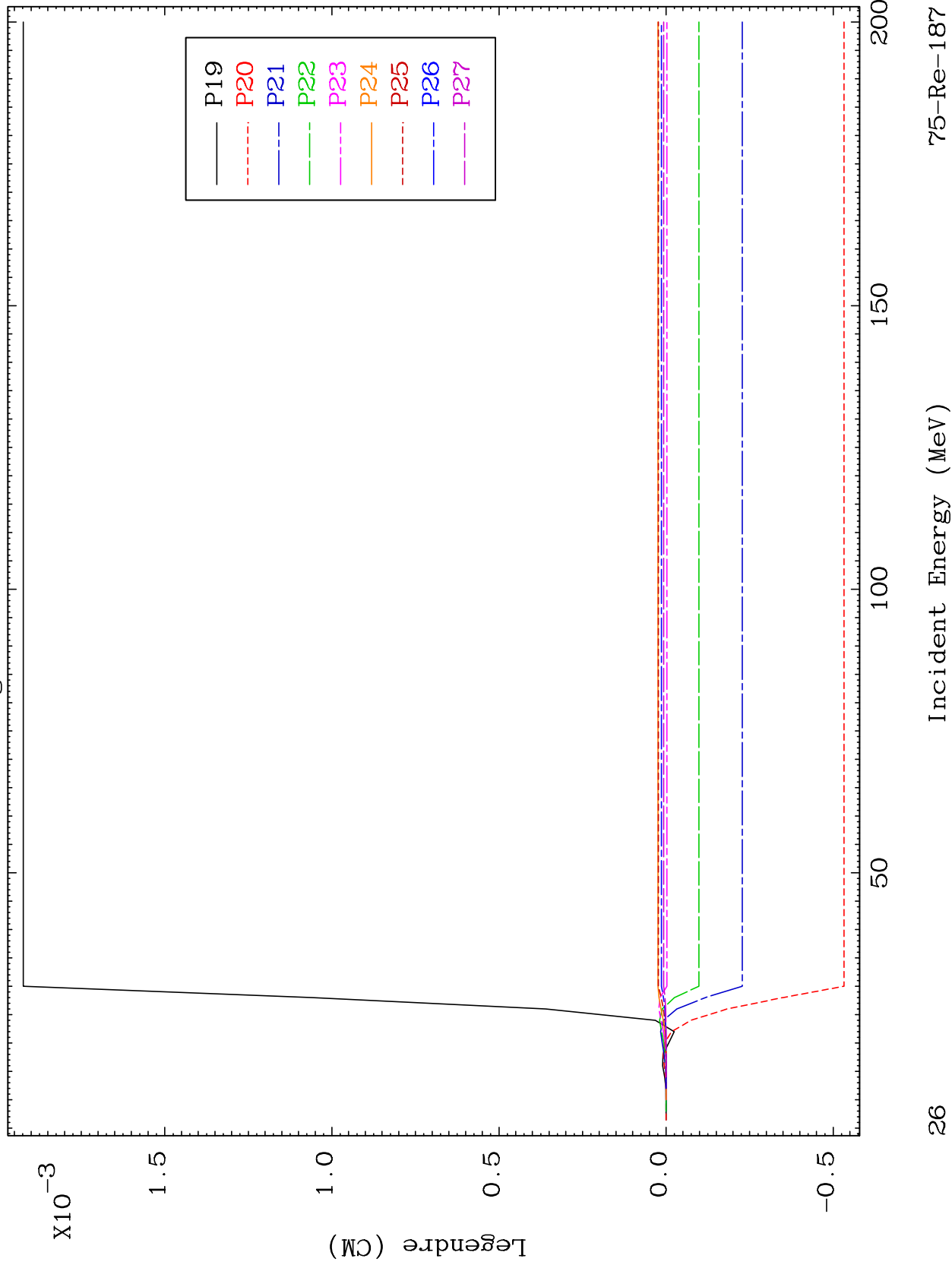


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Incident Energy (MeV)

75-Re-187

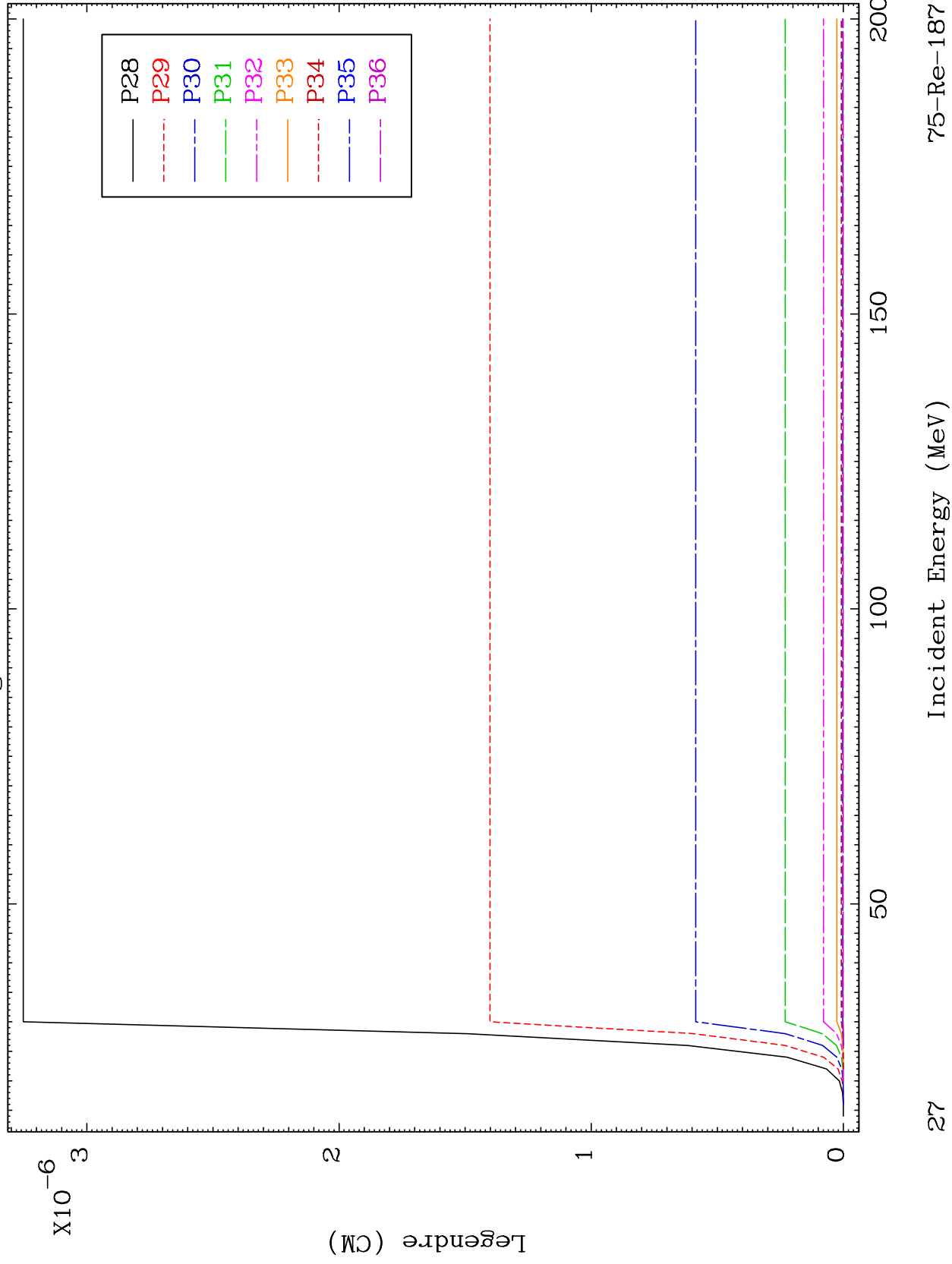


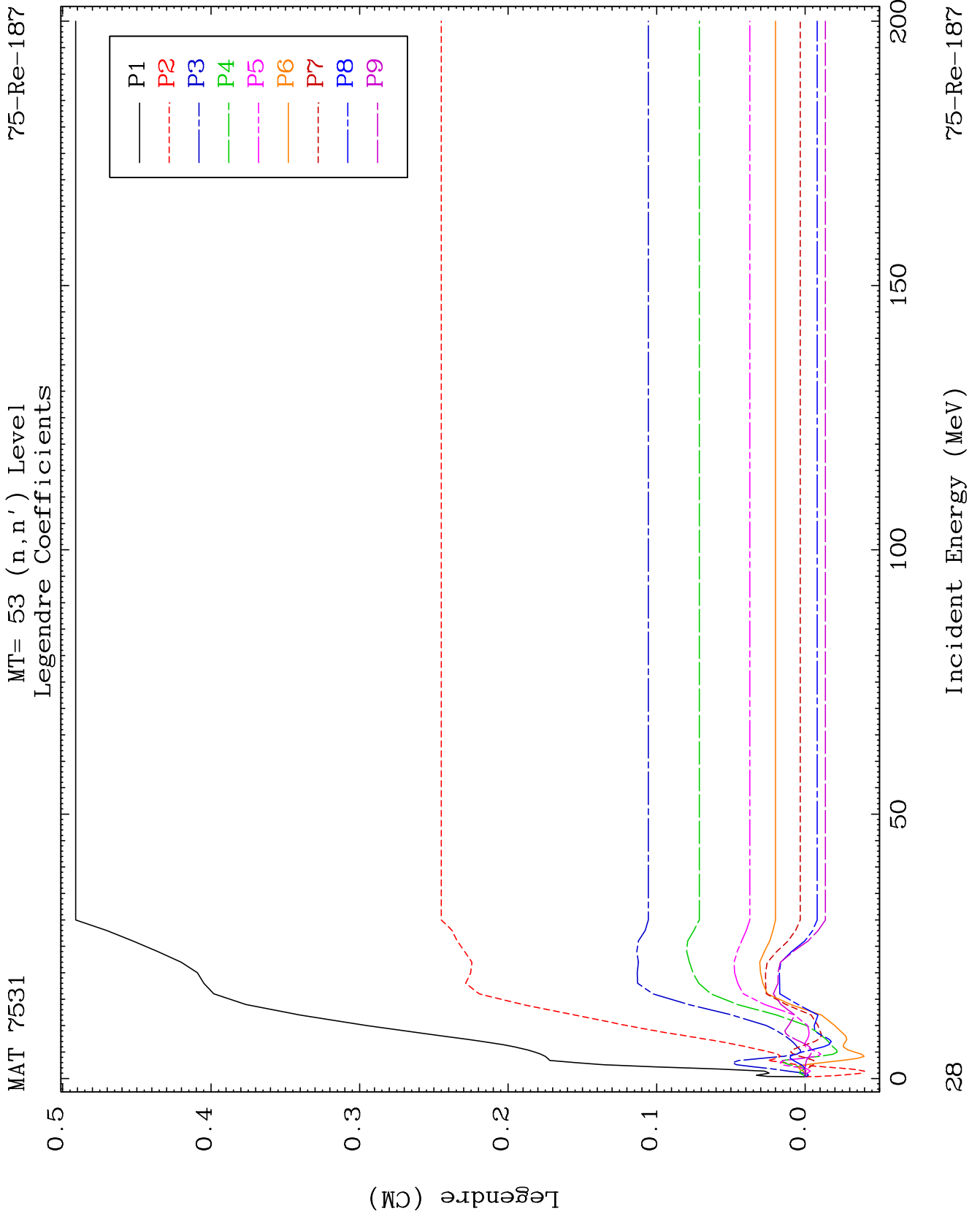


MAT 7531

MT= 52 (n,n') Level
Legendre Coefficients

75-Re-187

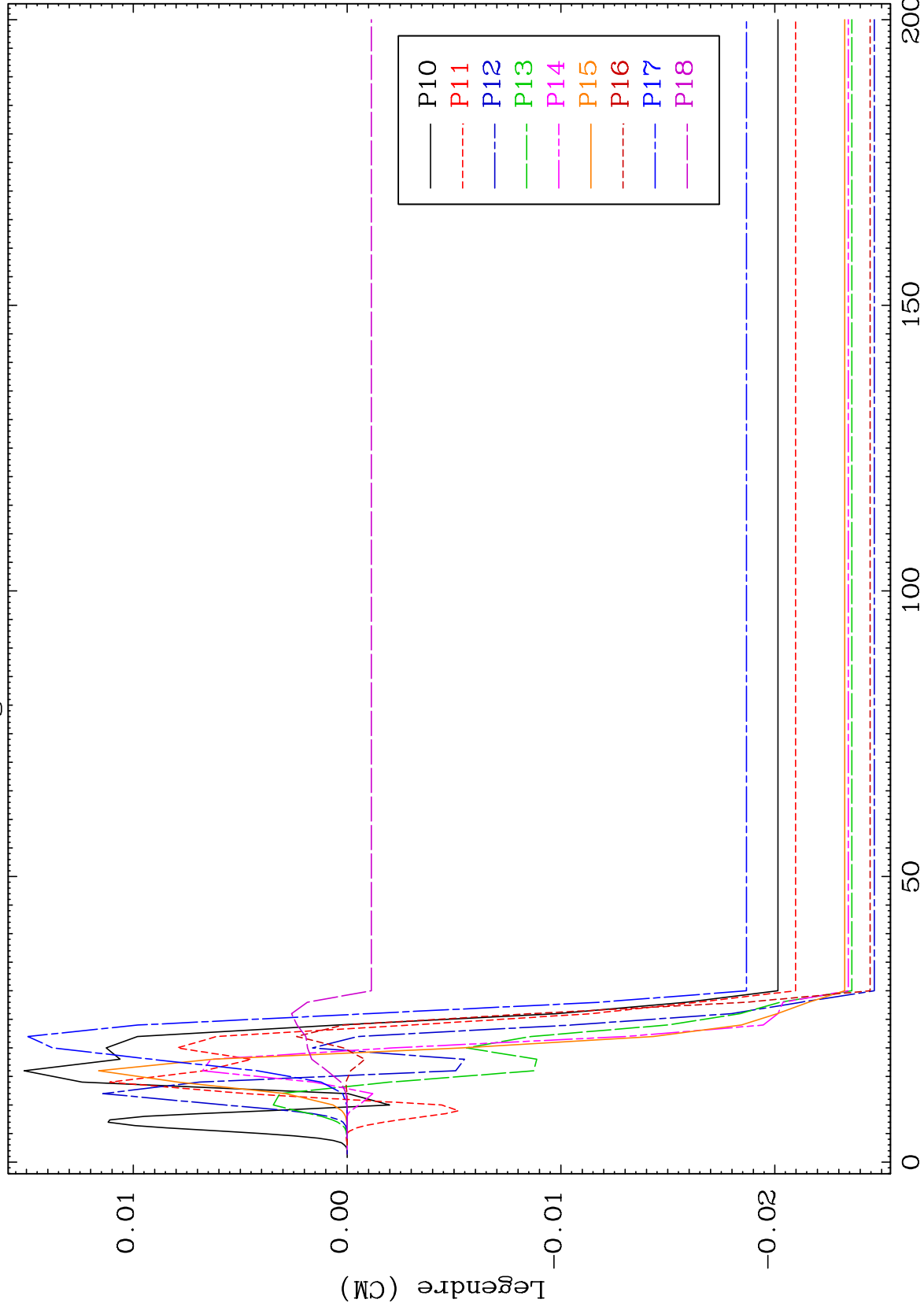




MAT 7531

MT= 53 (n,n') Level
Legendre Coefficients

75-Re-187



29

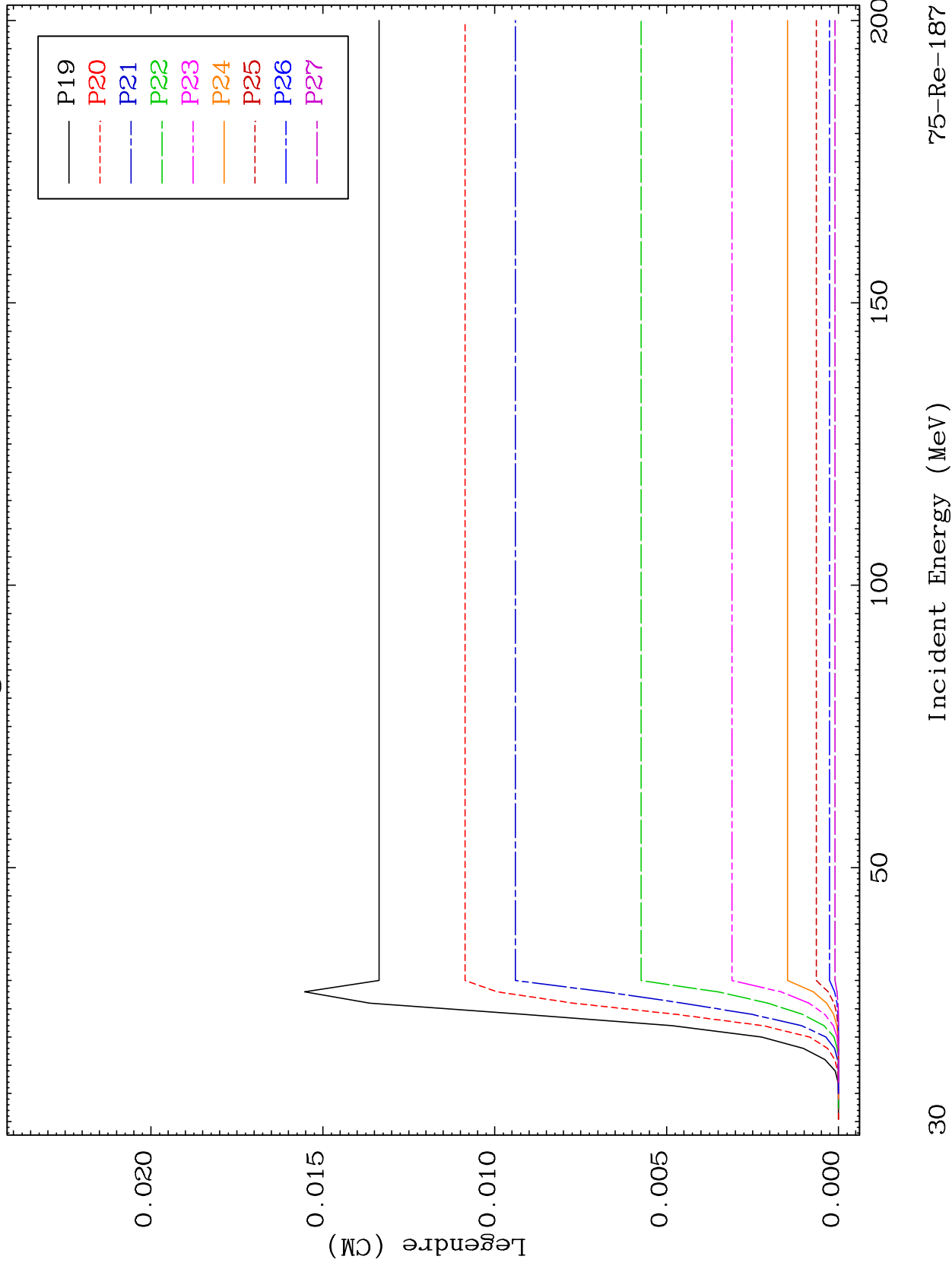
Incident Energy (MeV)

75-Re-187

MAT 7531

MT= 53 (n,n') Level
Legendre Coefficients

75-Re-187



75-Re-187

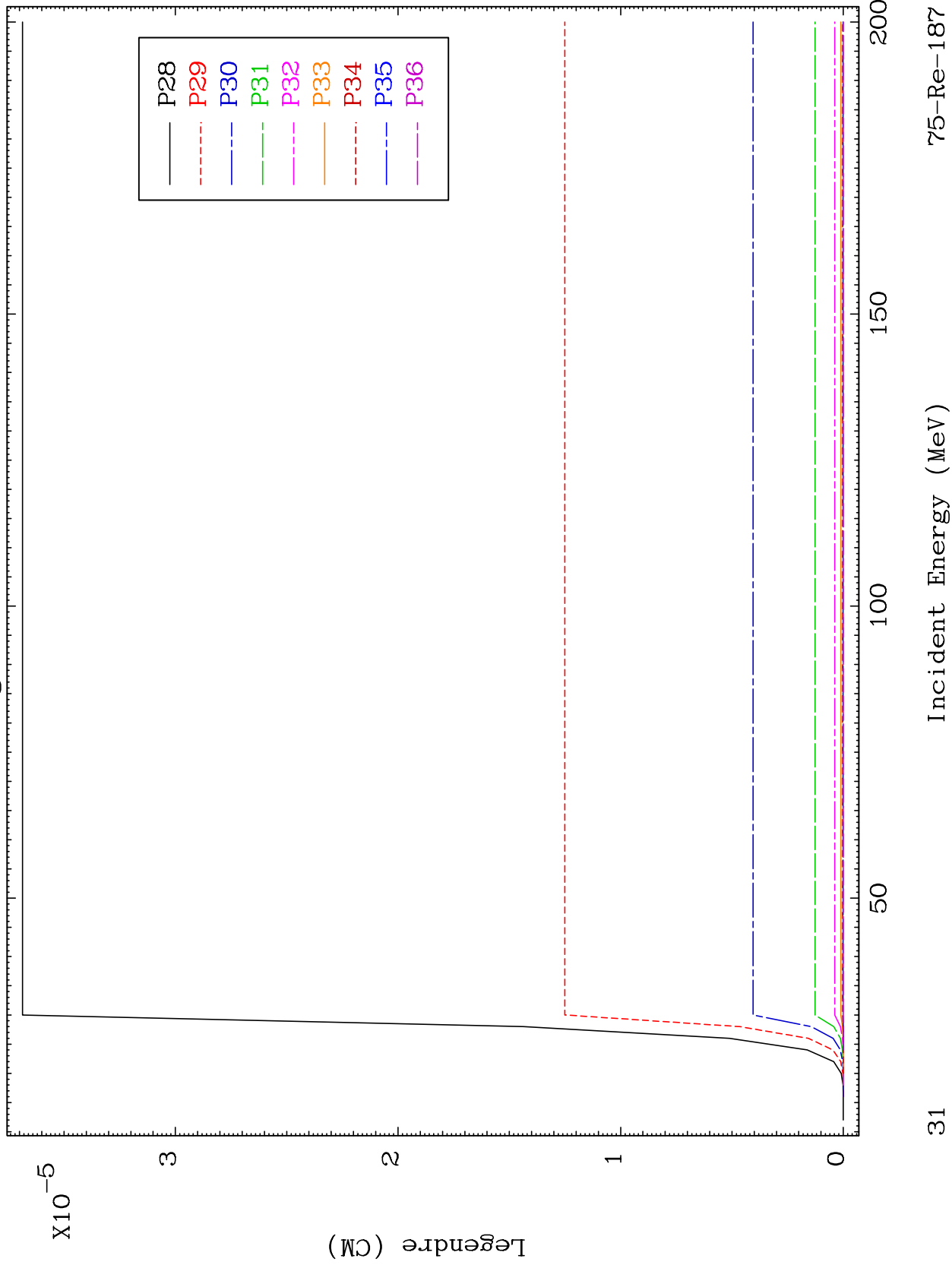
Incident Energy (MeV)

30

MAT 7531

MT= 53 (n,n') Level
Legendre Coefficients

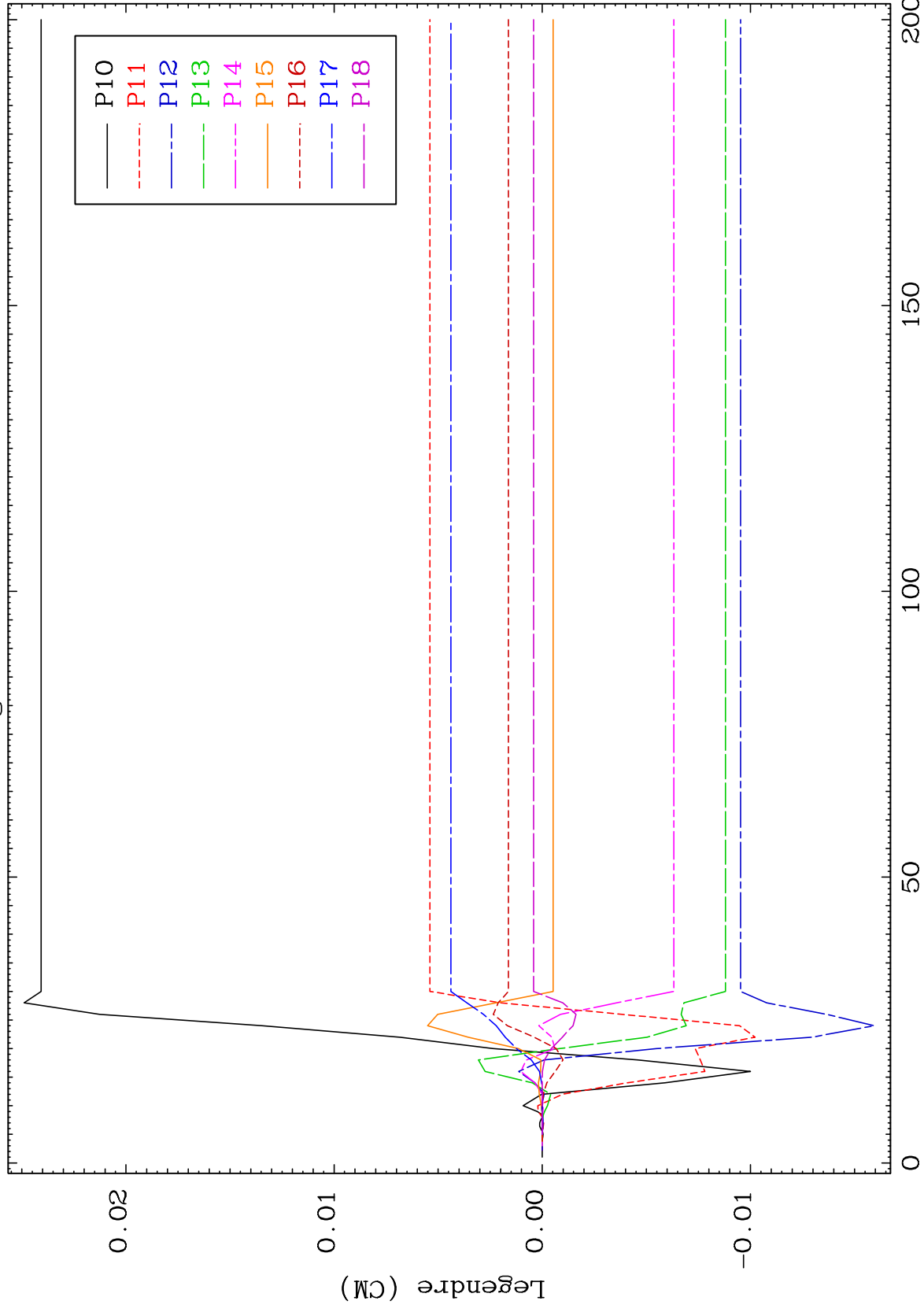
75-Re-187



MAT 7531

MT= 54 (n,n') Level
Legendre Coefficients

75-Re-187



33

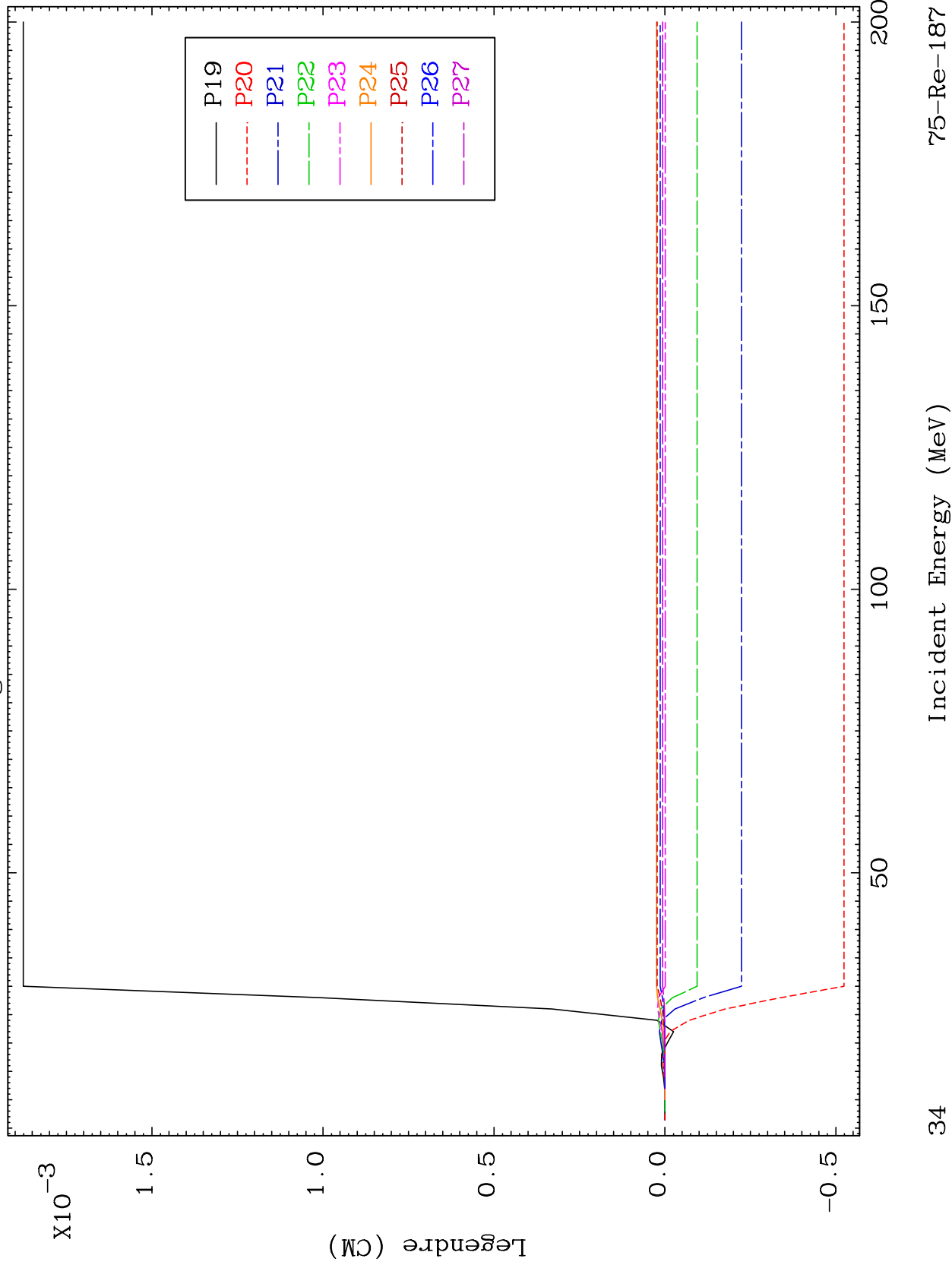
Incident Energy (MeV)

75-Re-187

MAT 7531

MT= 54 (n,n') Level
Legendre Coefficients

75-Re-187



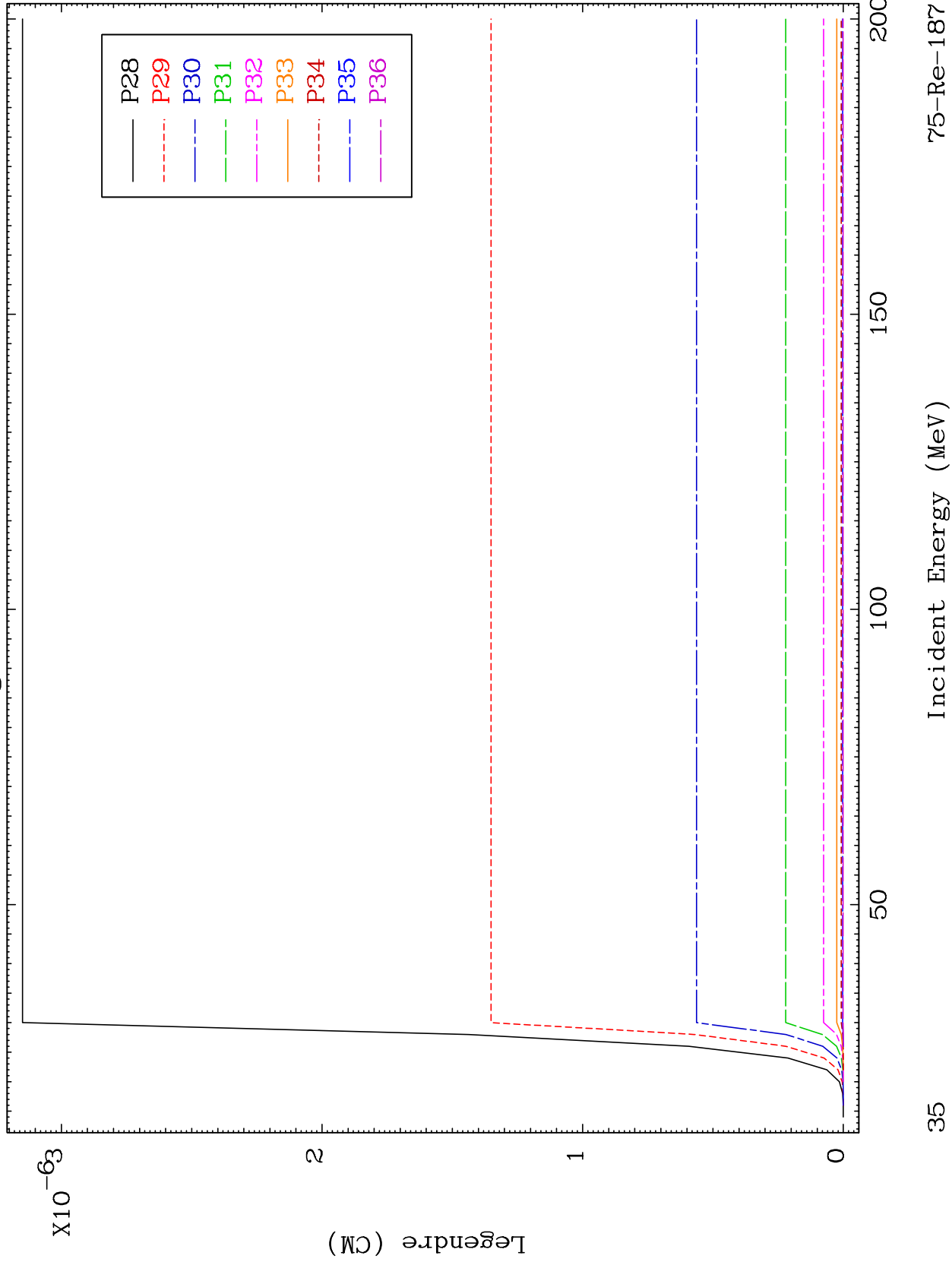
34

75-Re-187

MAT 7531

MT= 54 (n,n') Level
Legendre Coefficients

75-Re-187



75-Re-187

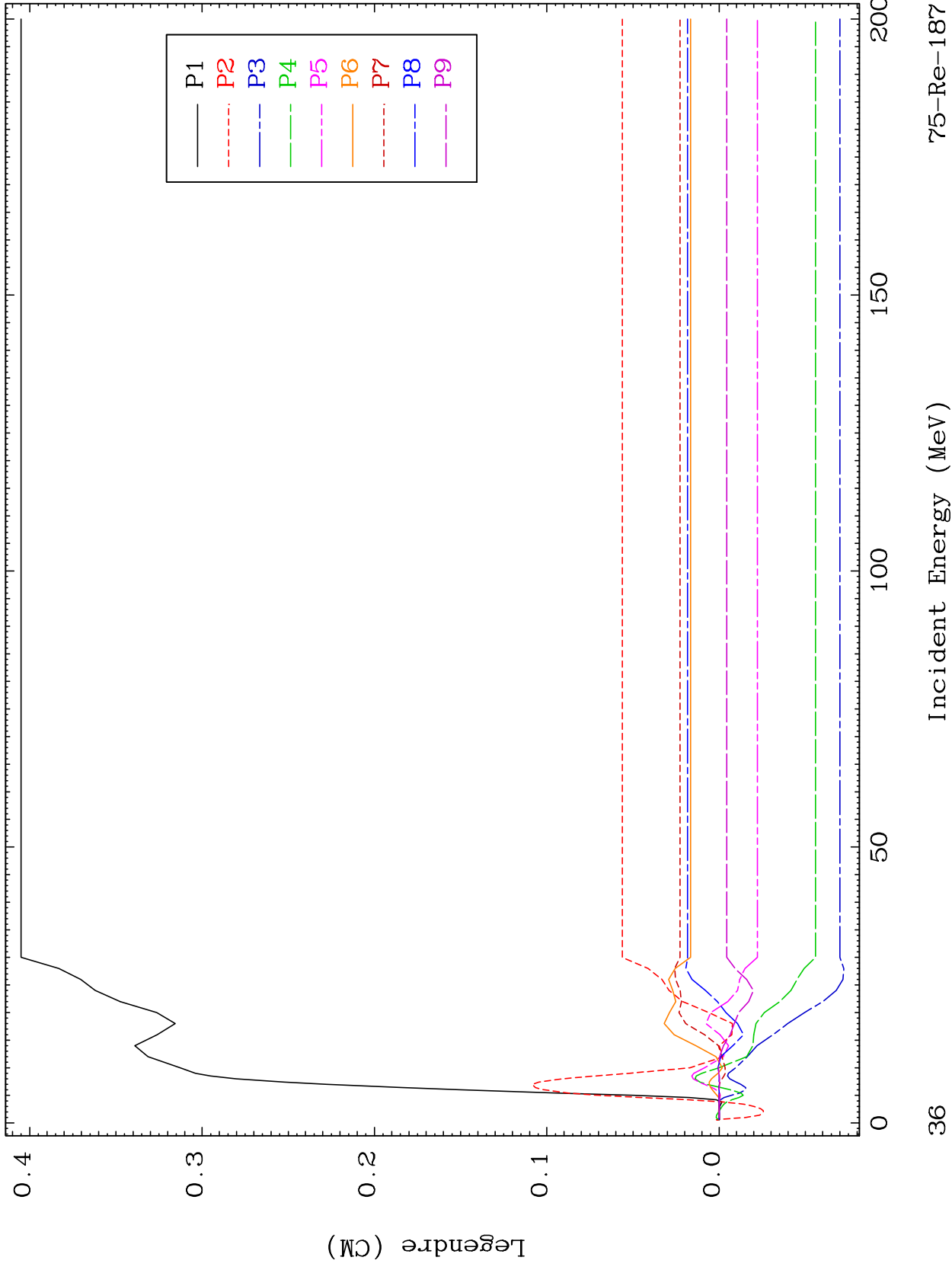
Incident Energy (MeV)

35

MAT 7531

MT= 55 (n,n') Level
Legendre Coefficients

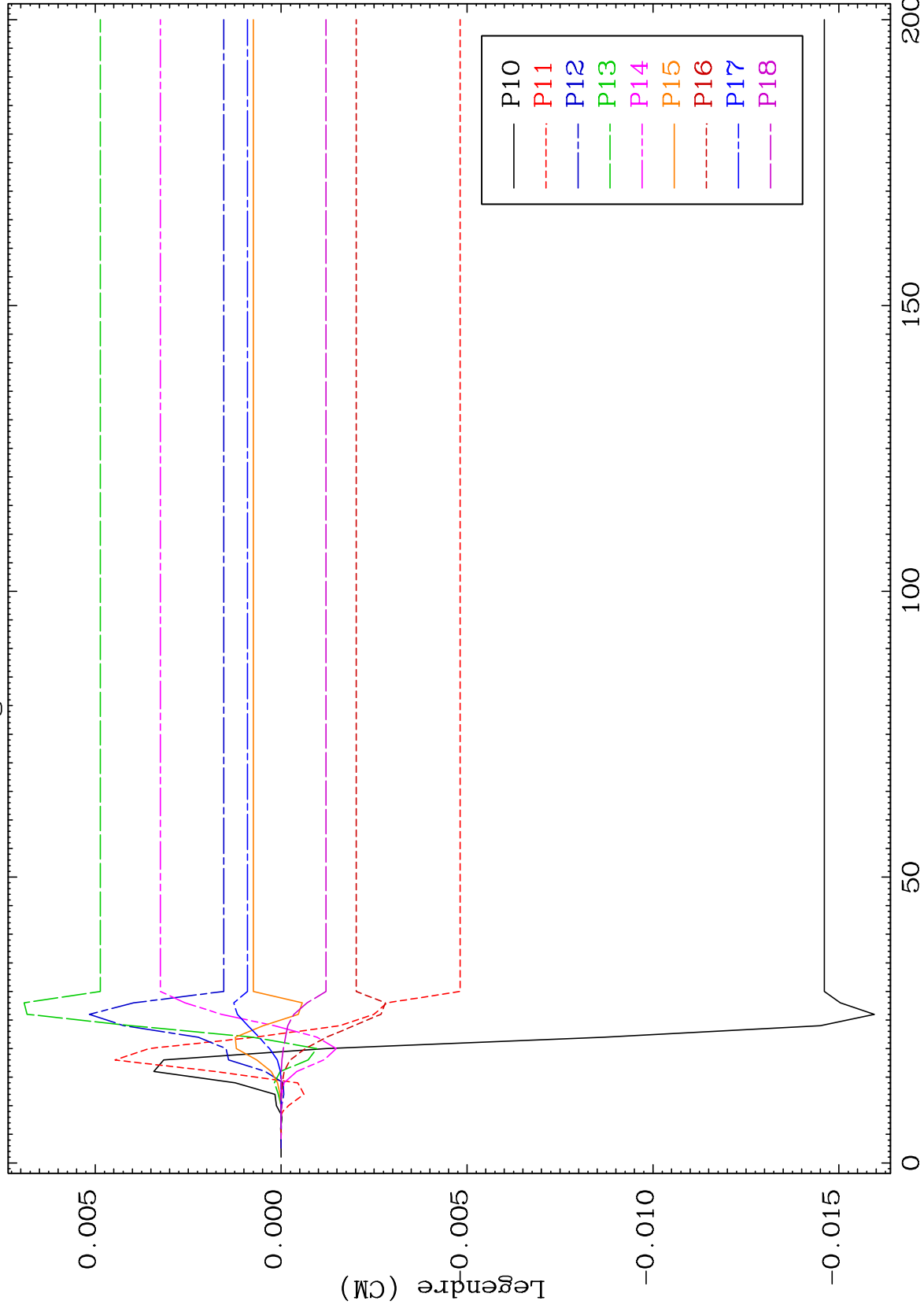
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MAT 7531

MT= 55 (n,n') Level
Legendre Coefficients

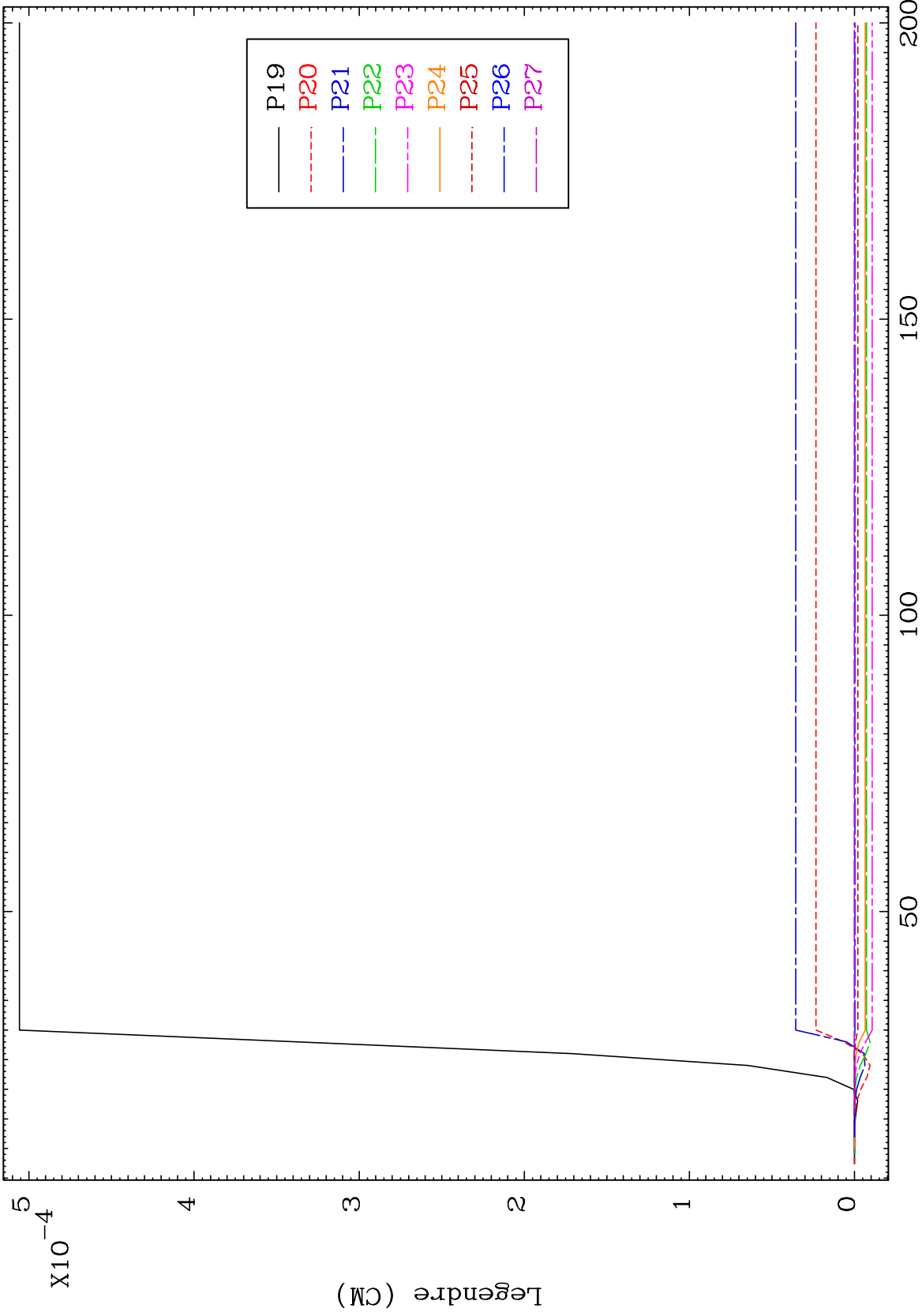
75-Re-187



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Incident Energy (MeV)

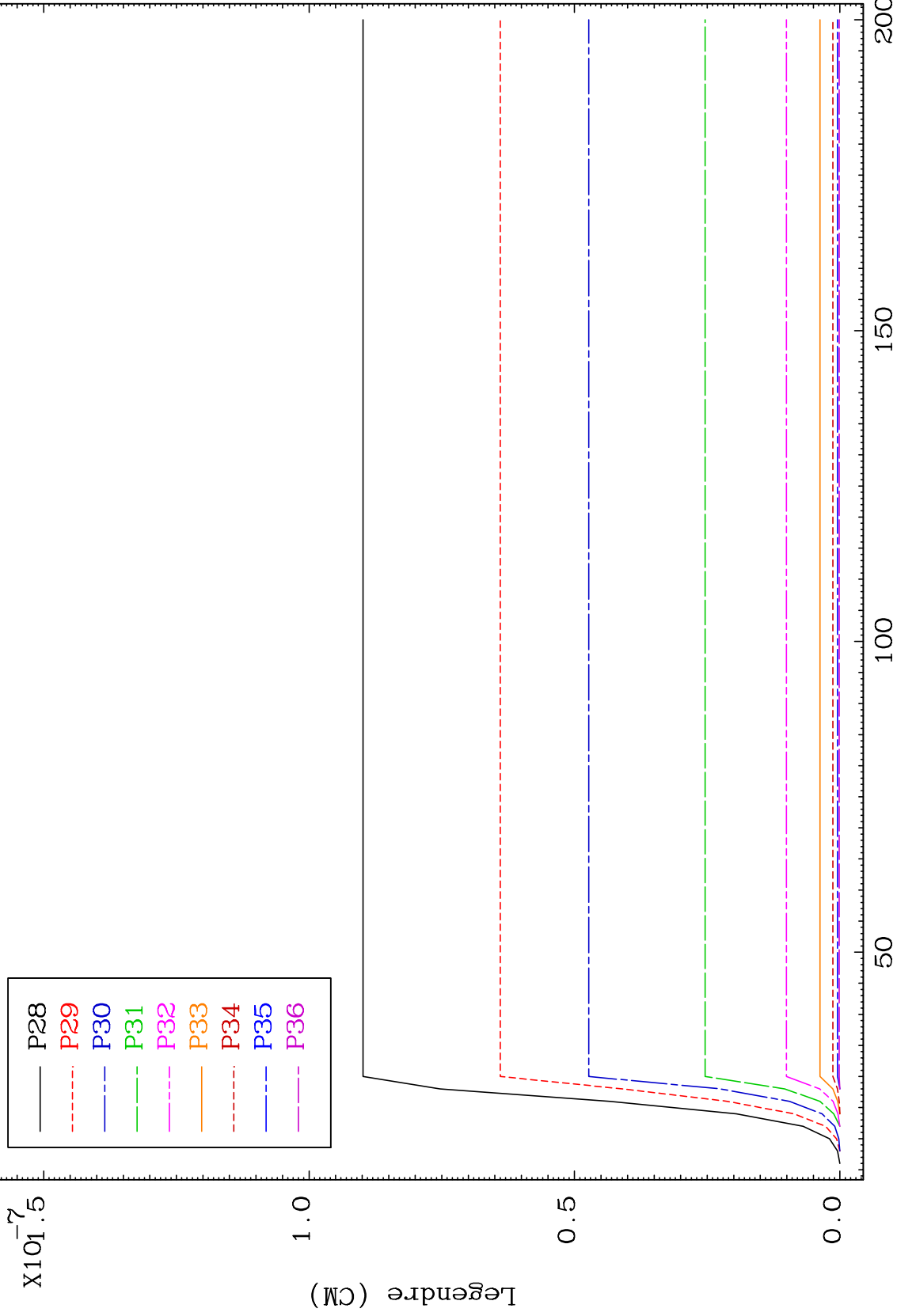
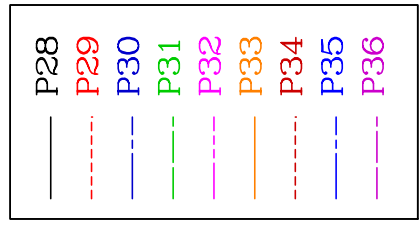
75-Re-187



MAT 7531

MT= 55 (n,n') Level
Legendre Coefficients

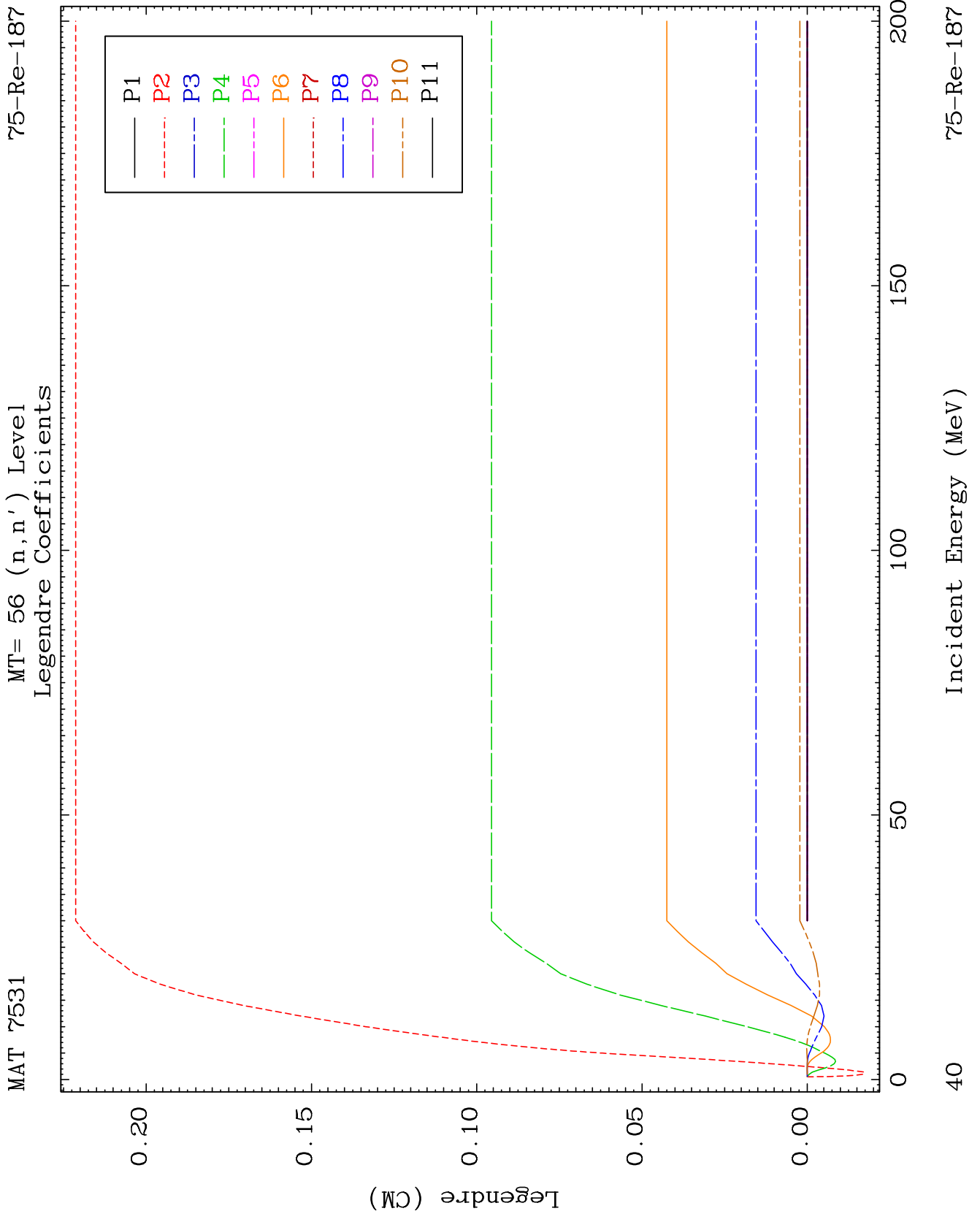
75-Re-187



39

Incident Energy (MeV)

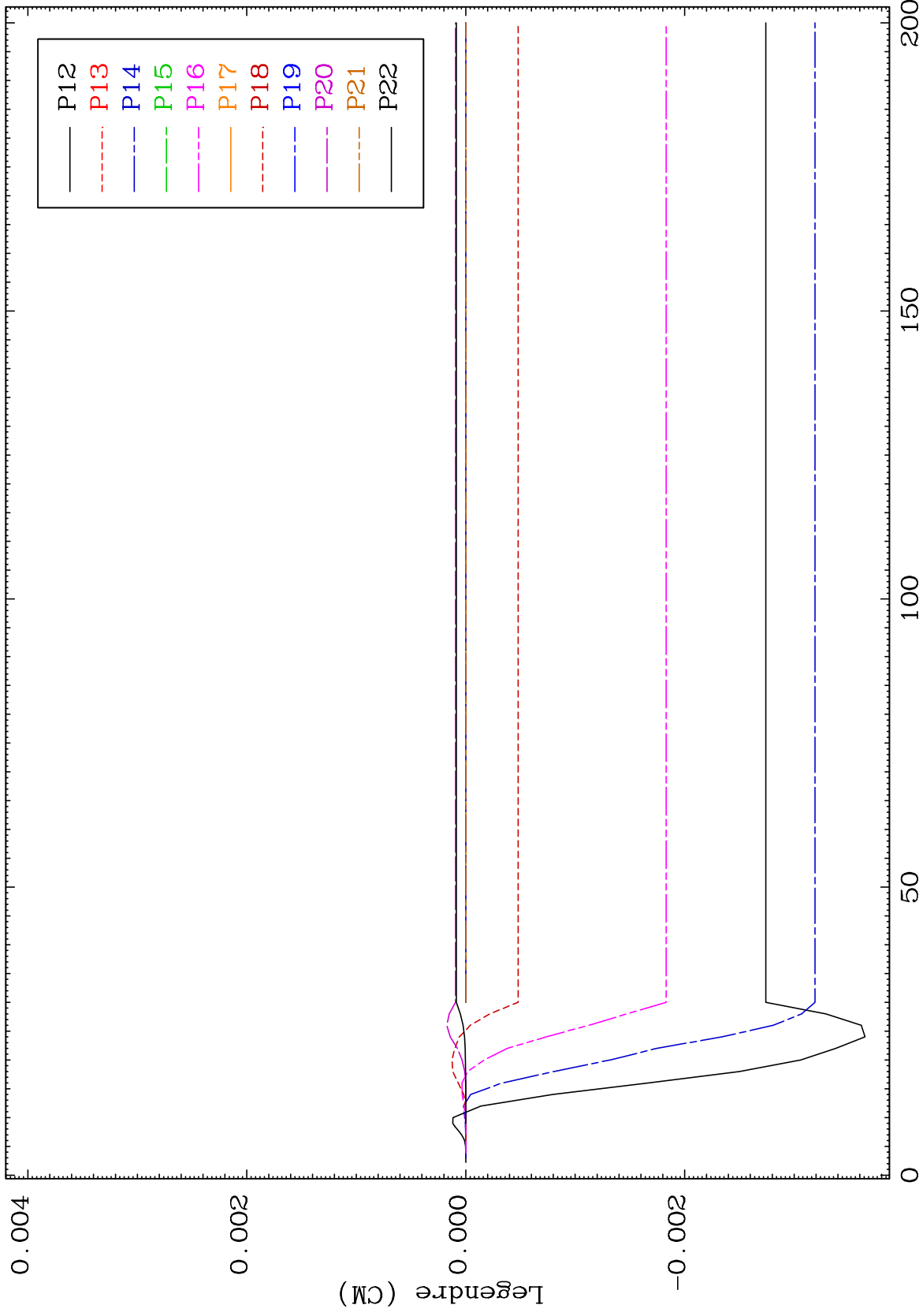
75-Re-187



MAT 7531

MT= 56 (n,n') Level
Legendre Coefficients

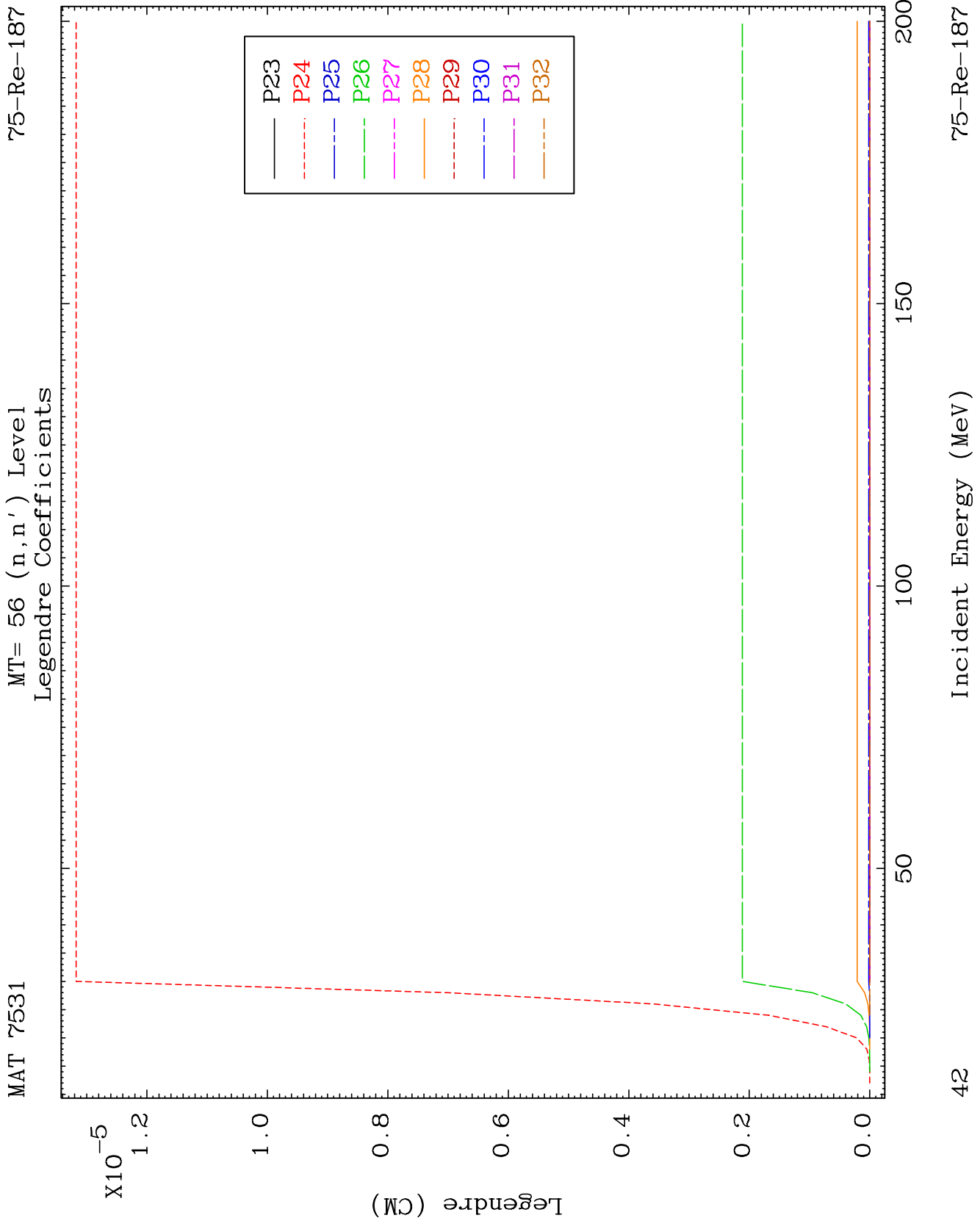
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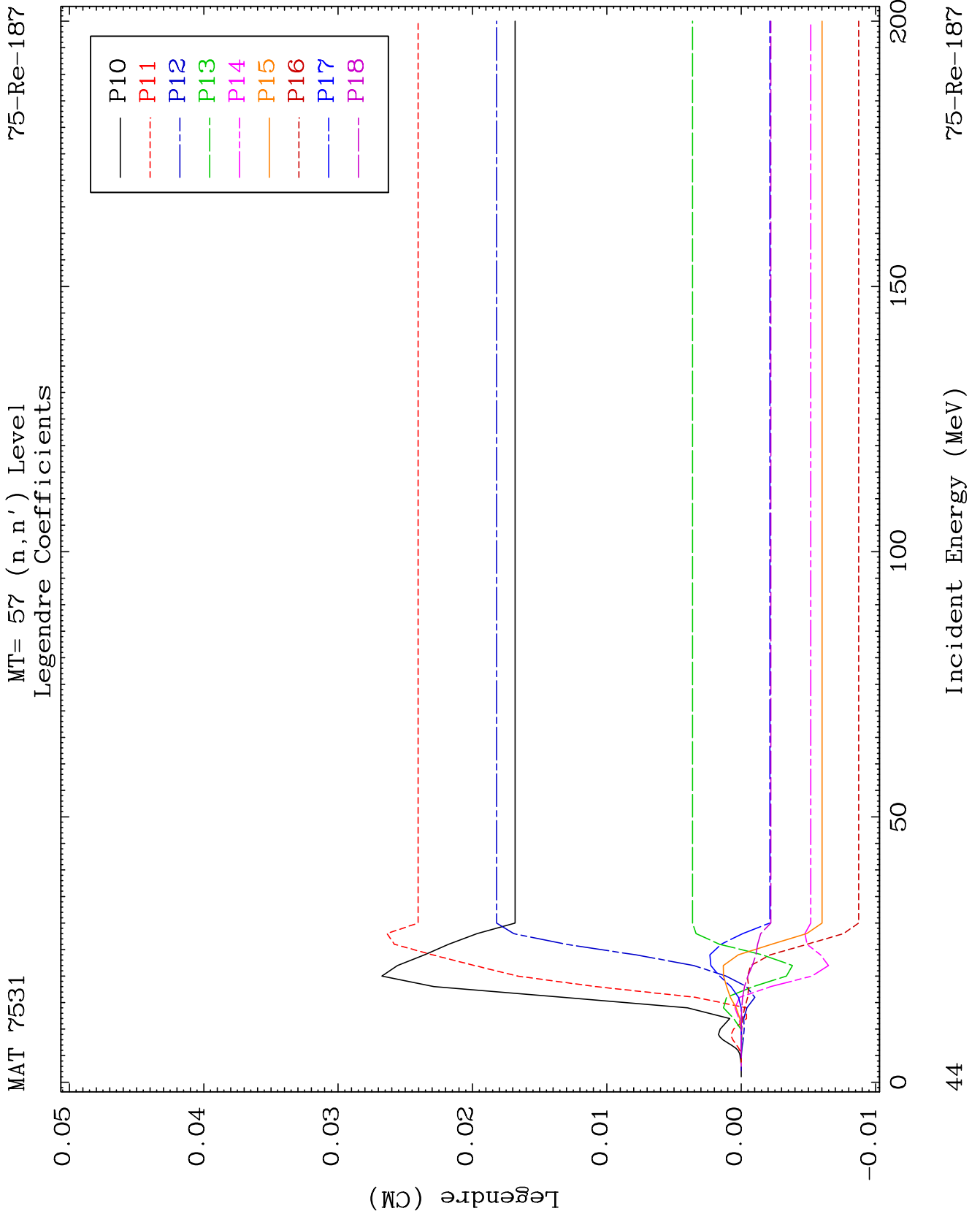


41

Incident Energy (MeV)

75-Re-187

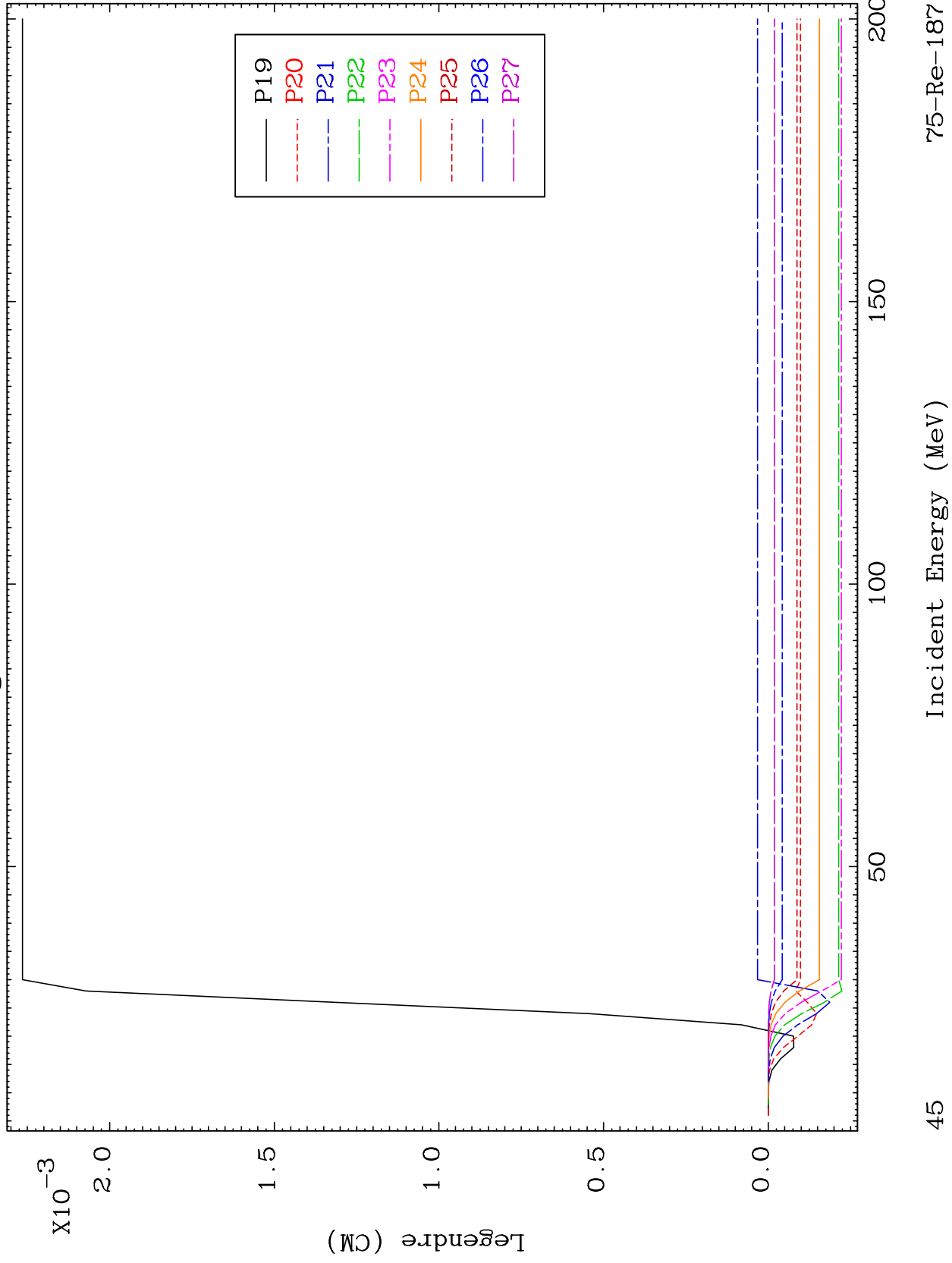




MAT 7531

MT= 57 (n,n') Level
Legendre Coefficients

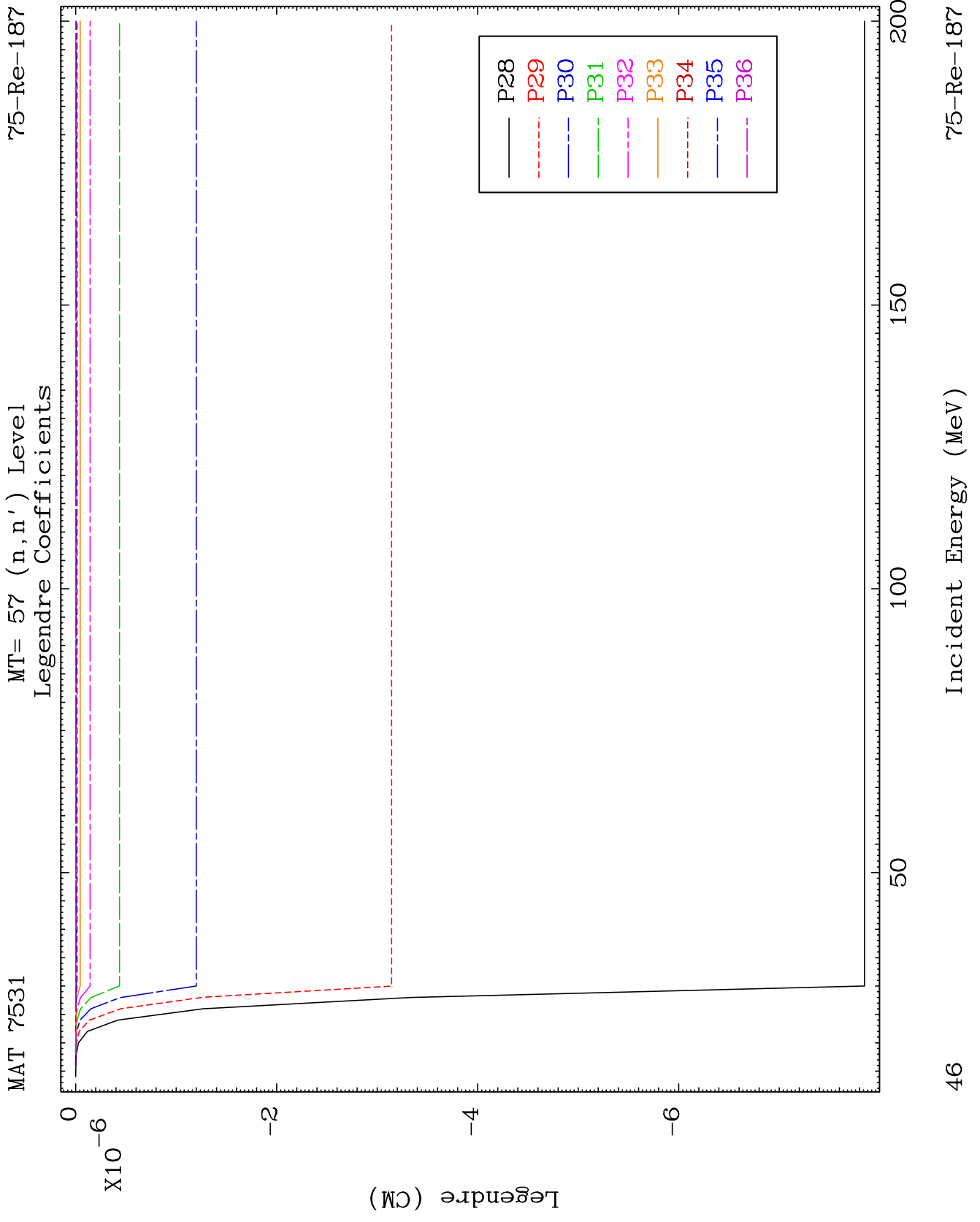
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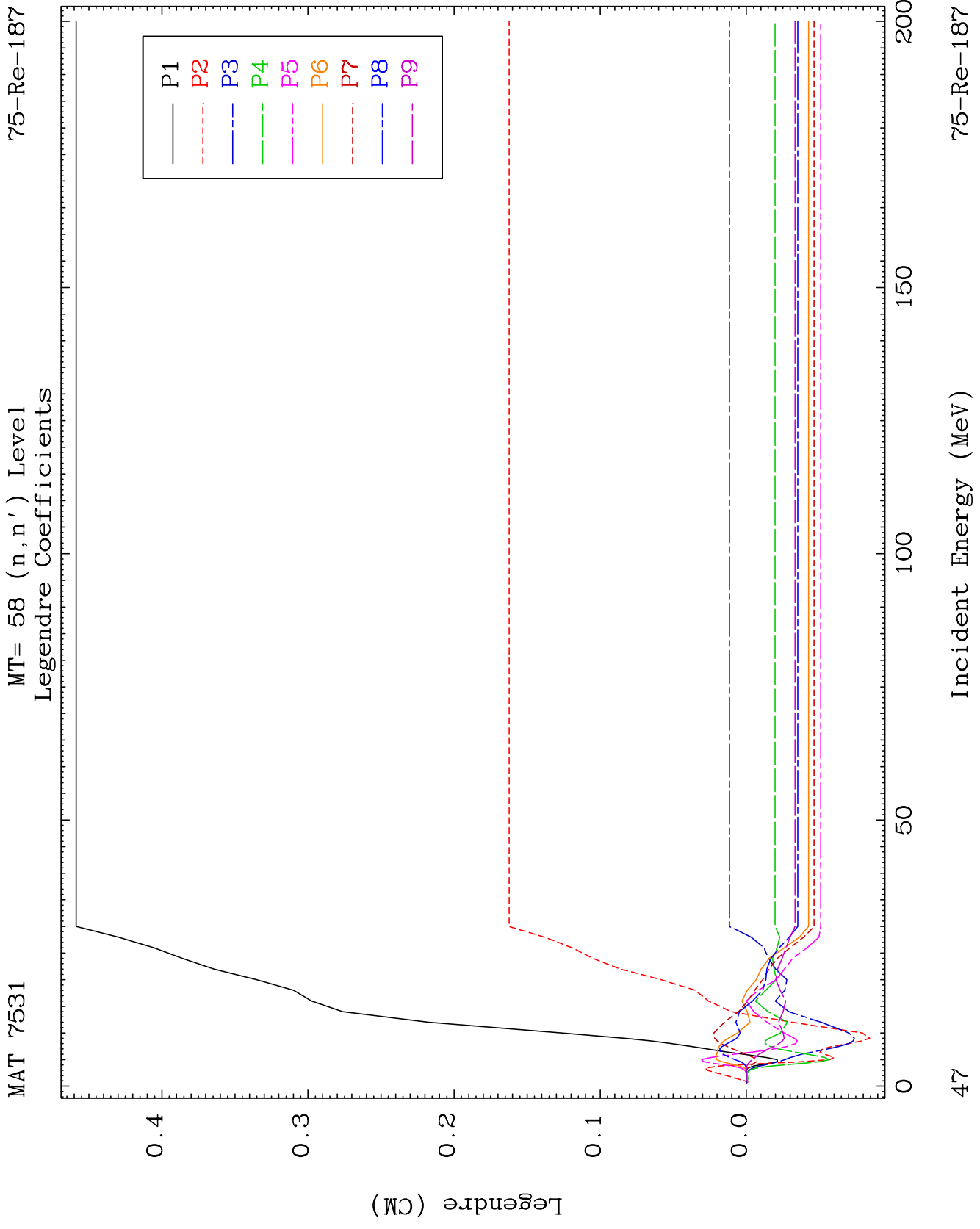


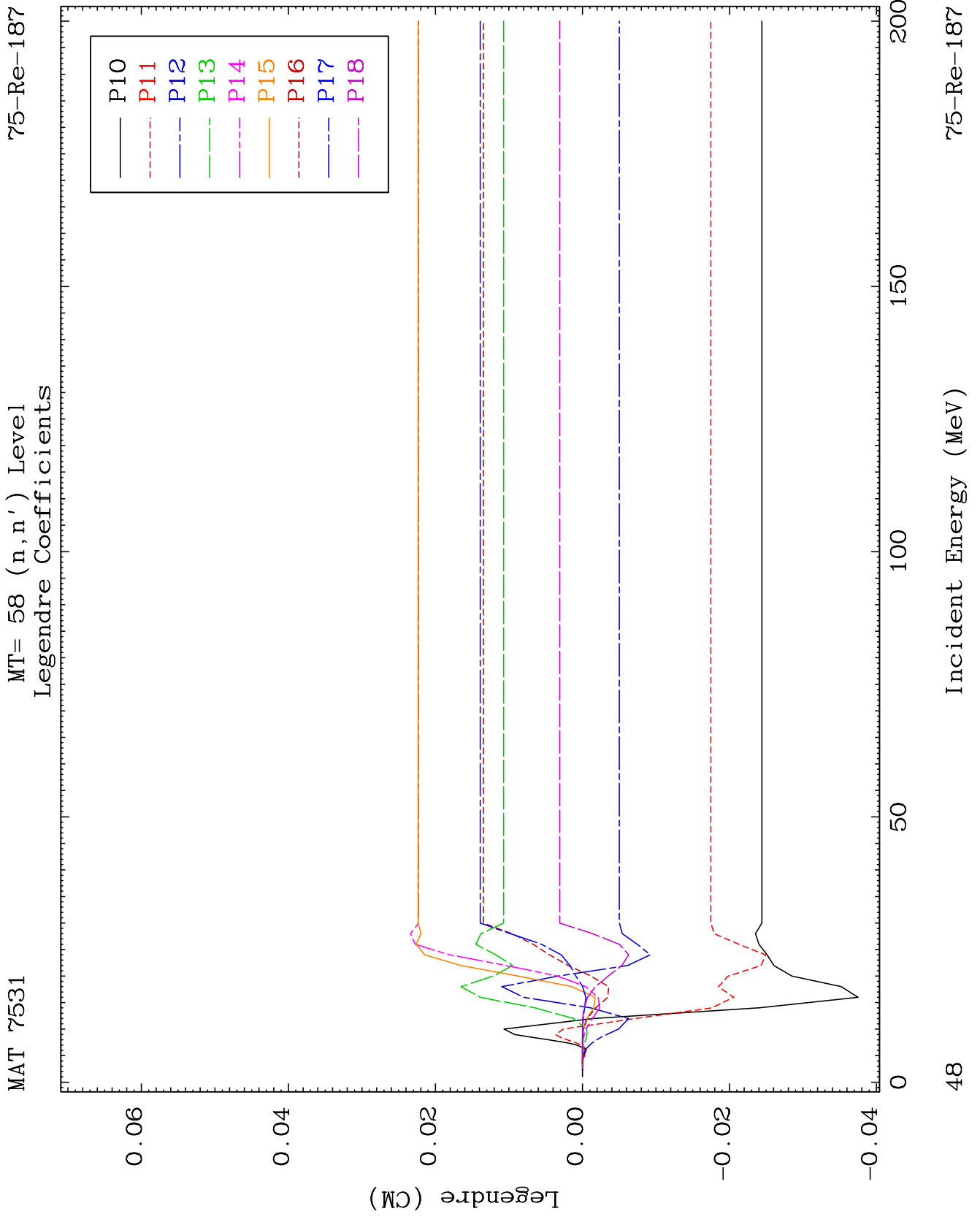
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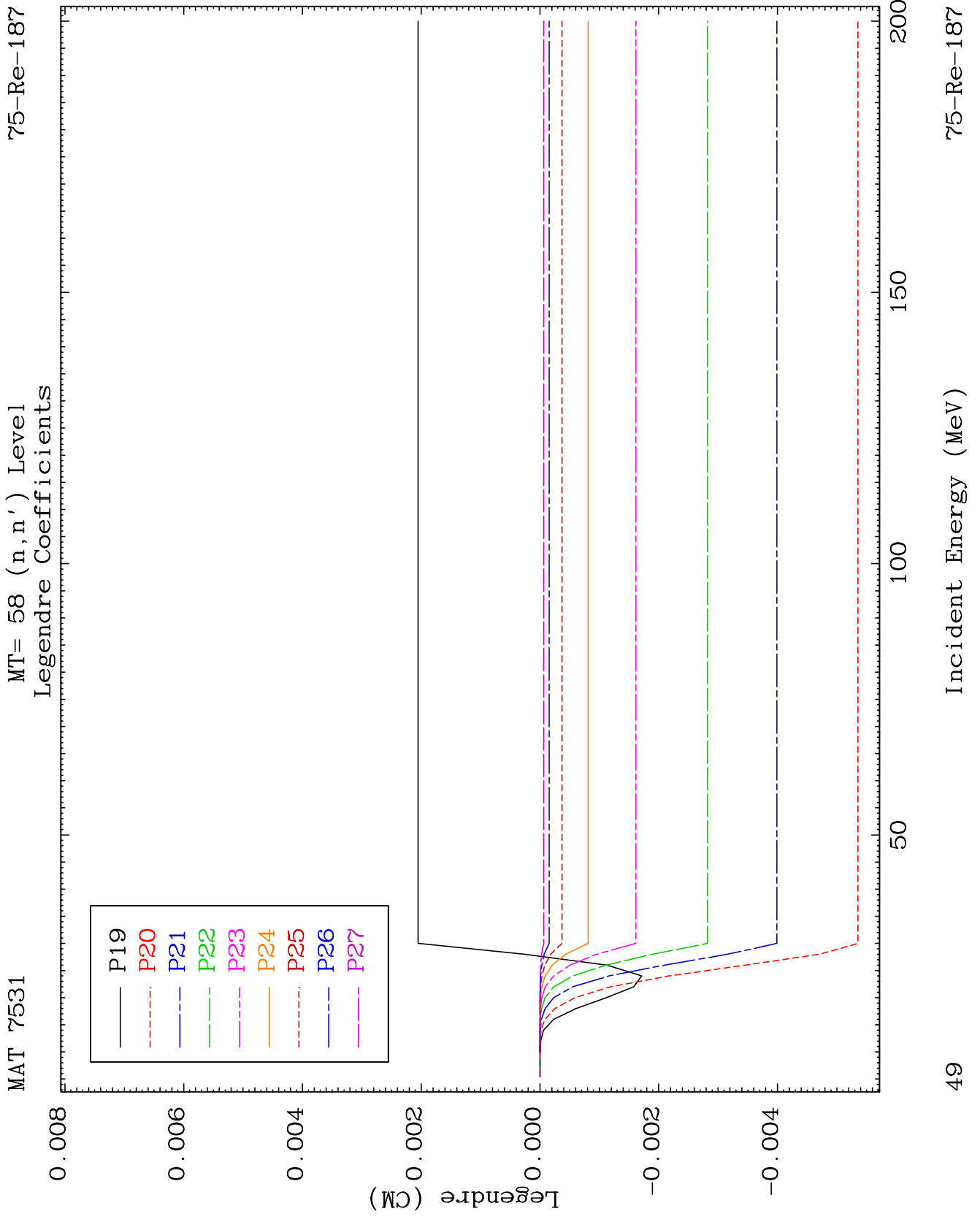
Incident Energy (MeV)

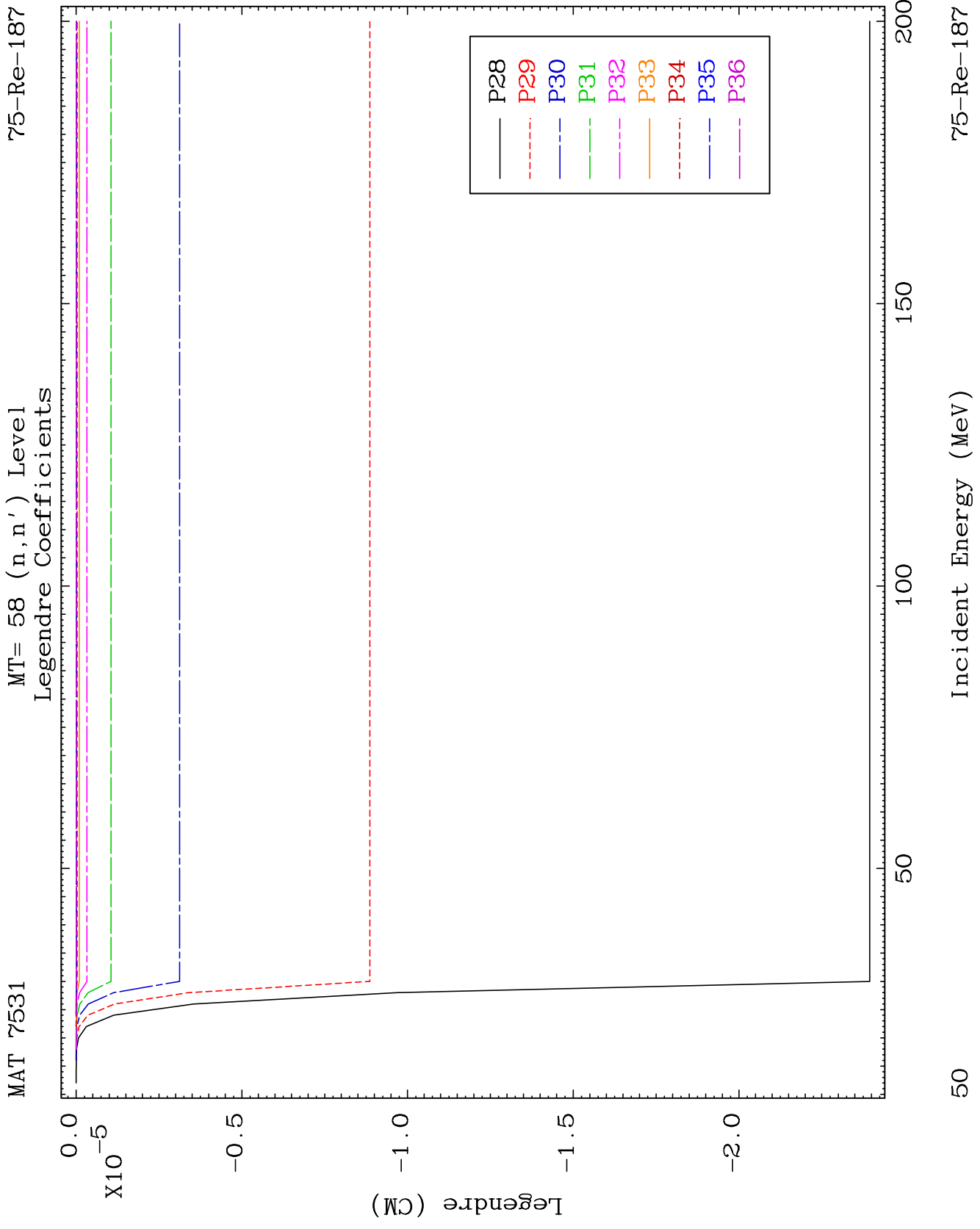
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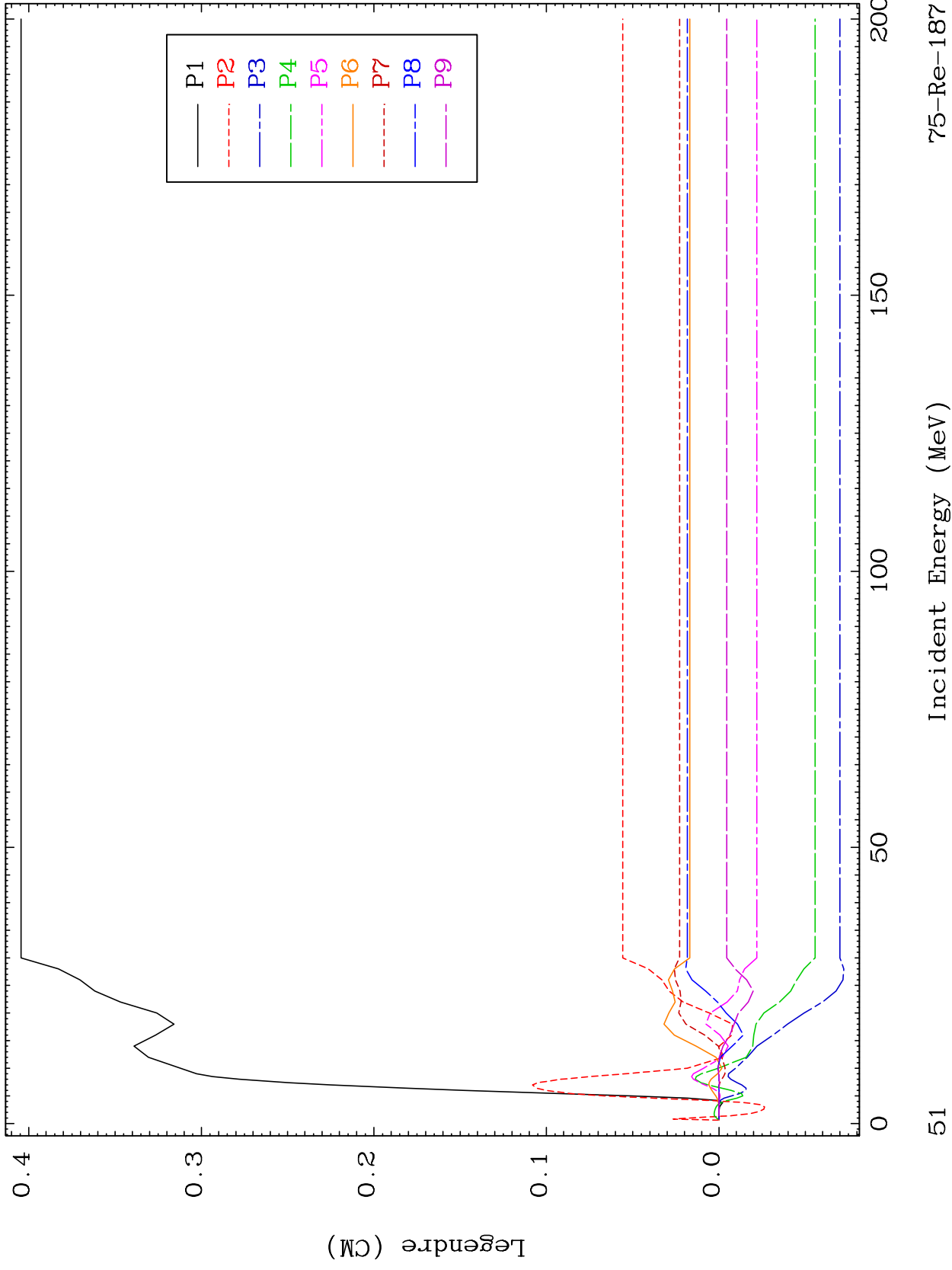




MAT 7531

MT= 59 (n,n') Level
Legendre Coefficients

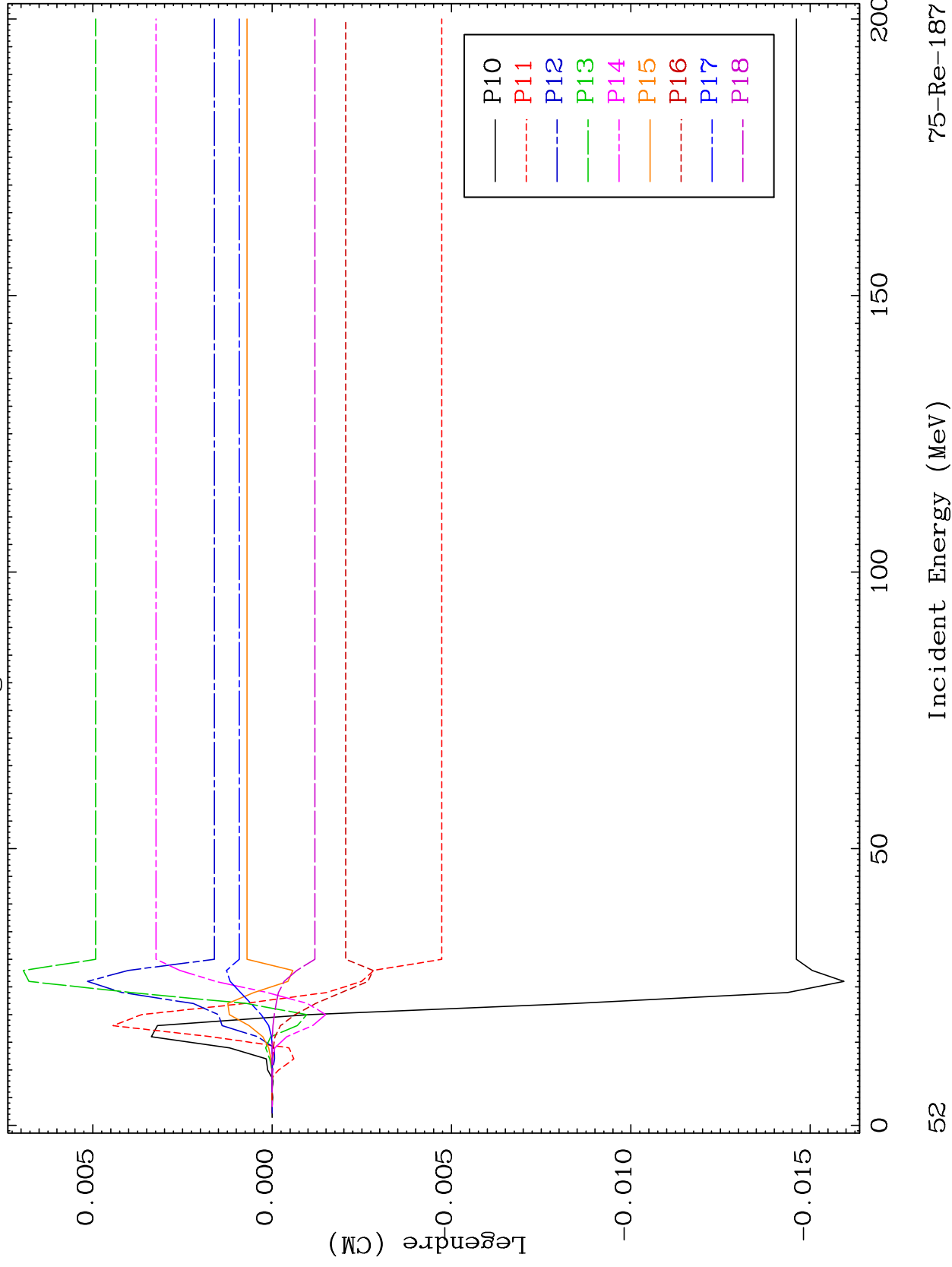
75-Re-187



MAT 7531

MT= 59 (n,n') Level
Legendre Coefficients

75-Re-187



75-Re-187

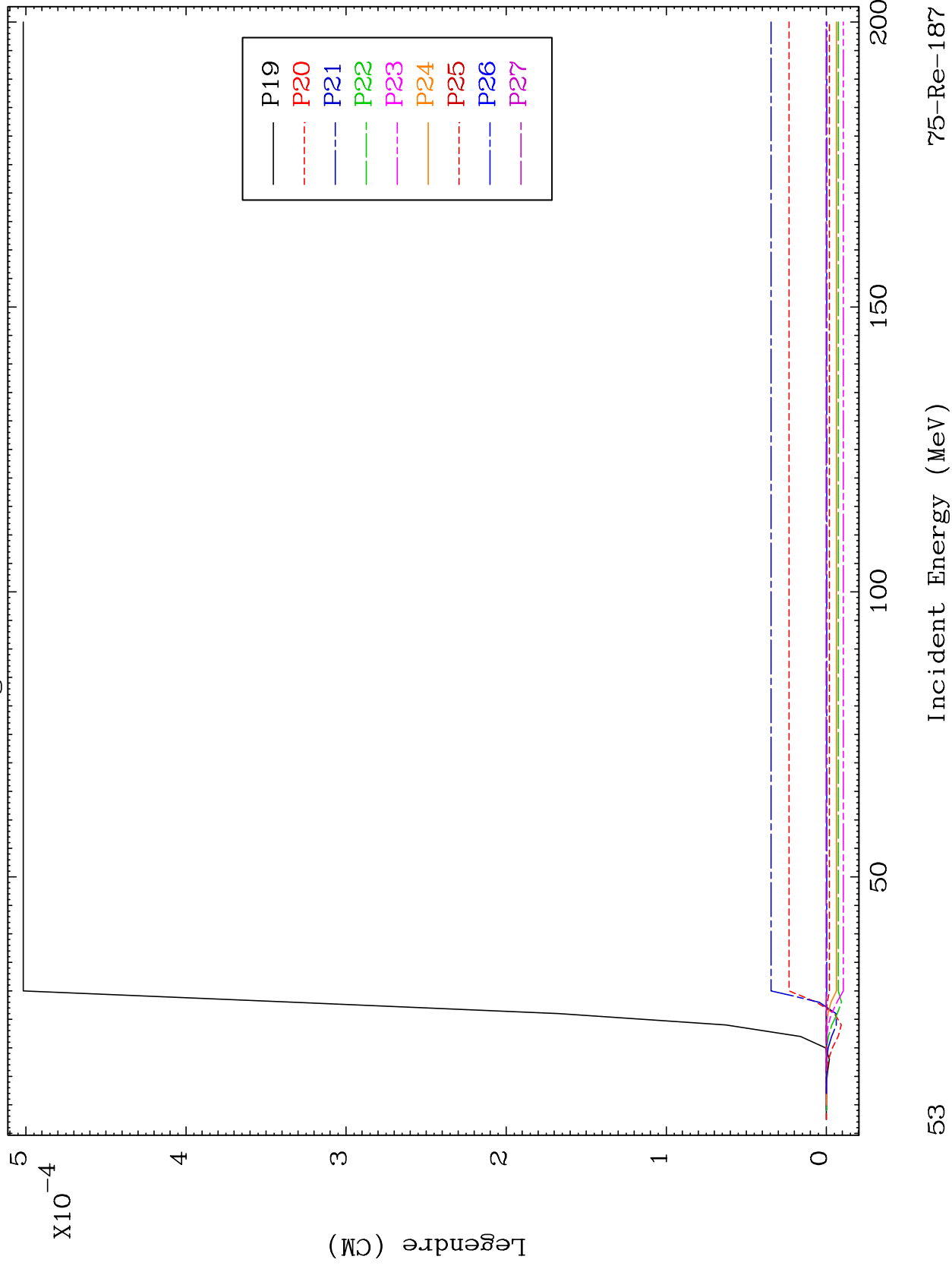
Incident Energy (MeV)

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MAT 7531

MT= 59 (n,n') Level
Legendre Coefficients

75-Re-187



53

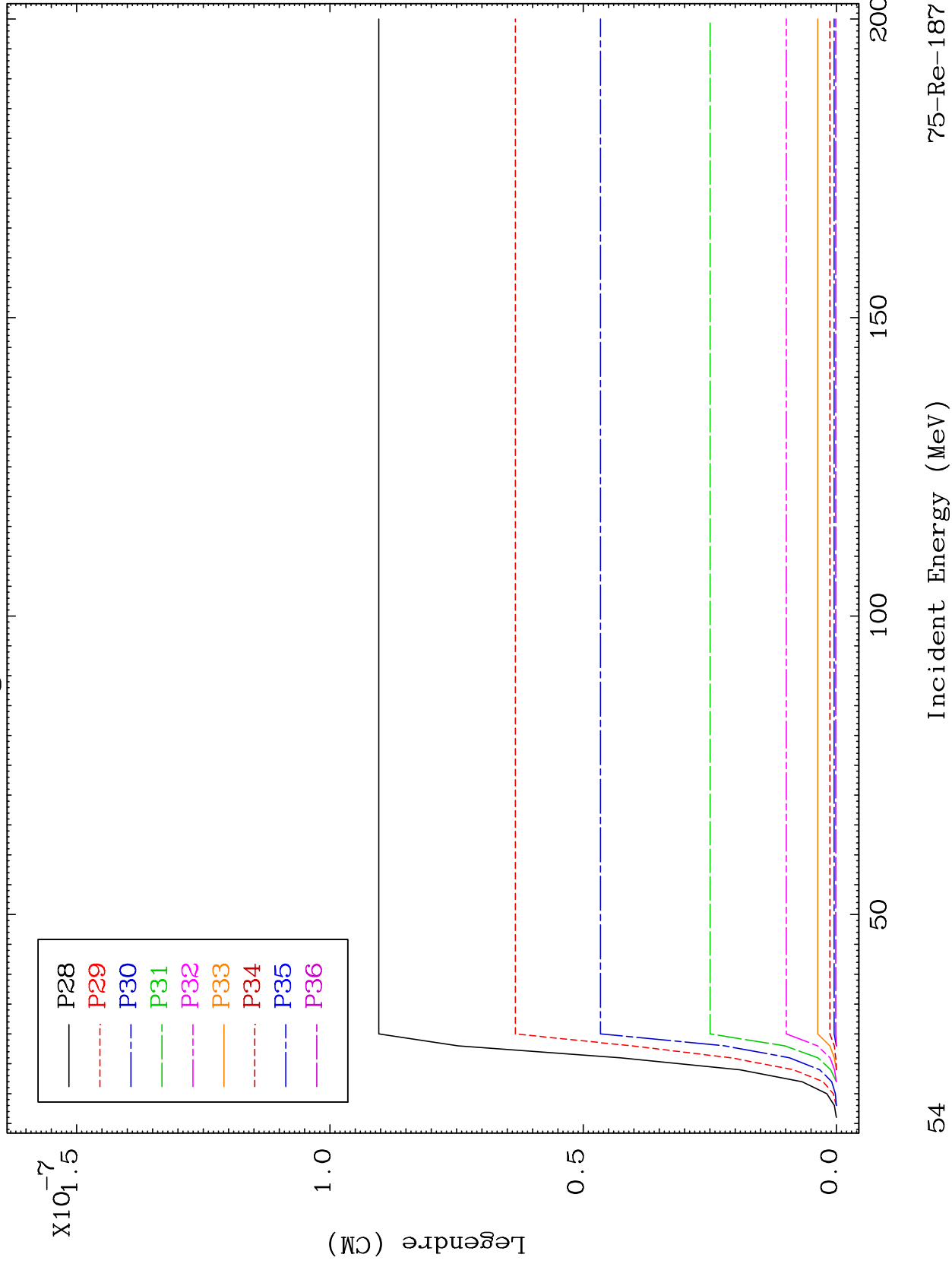
Incident Energy (MeV)

75-Re-187

MAT 7531

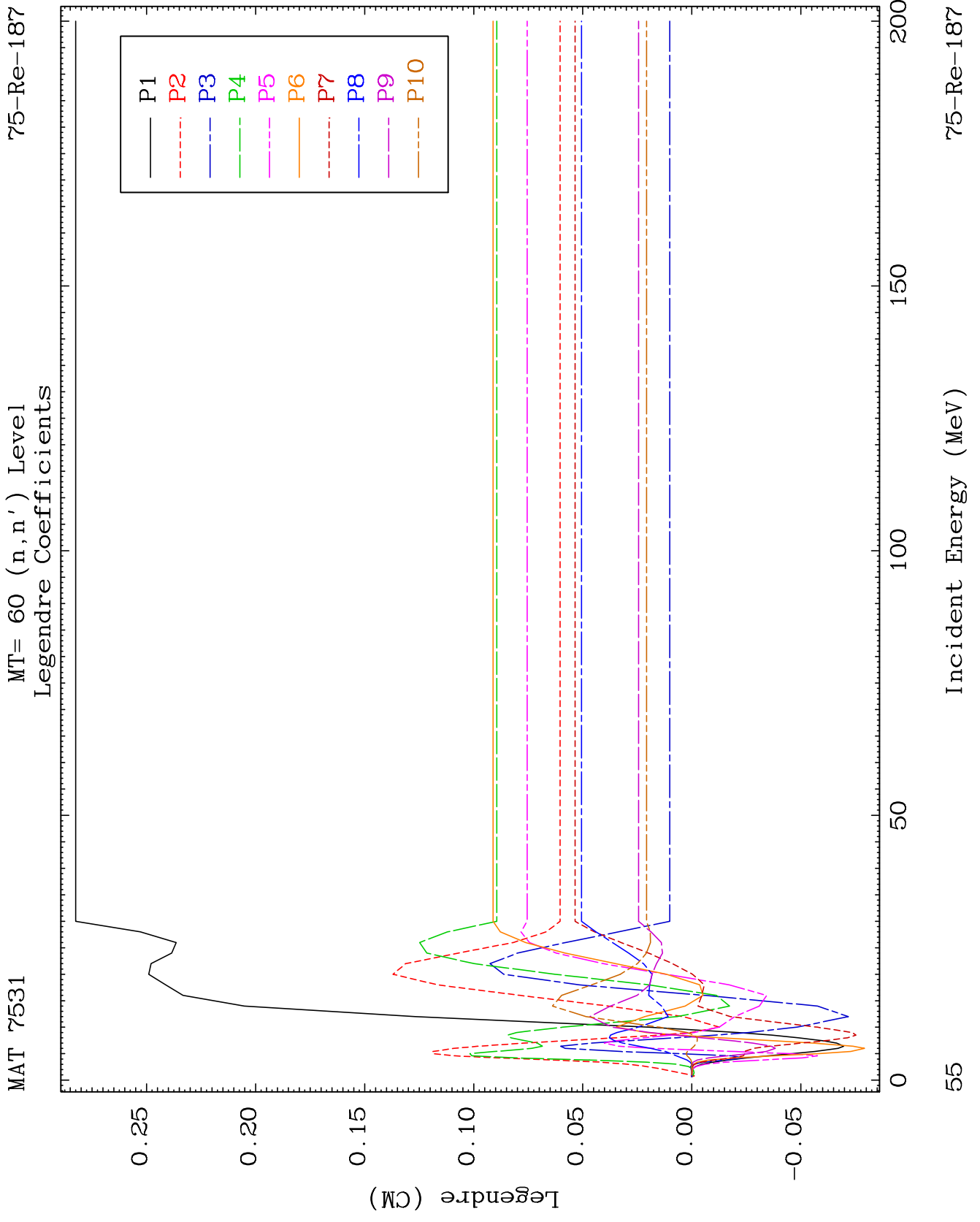
MT= 59 (n,n') Level
Legendre Coefficients

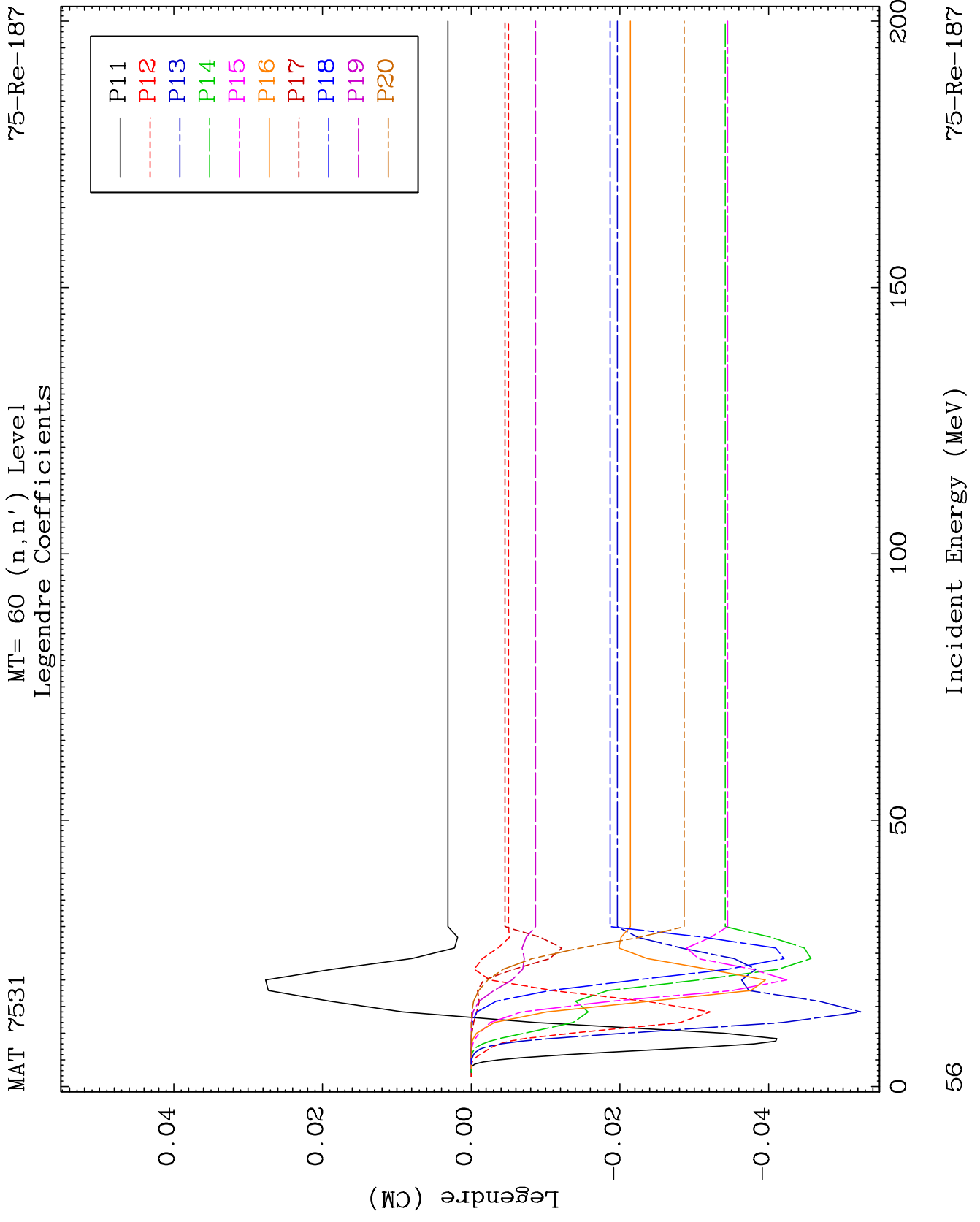
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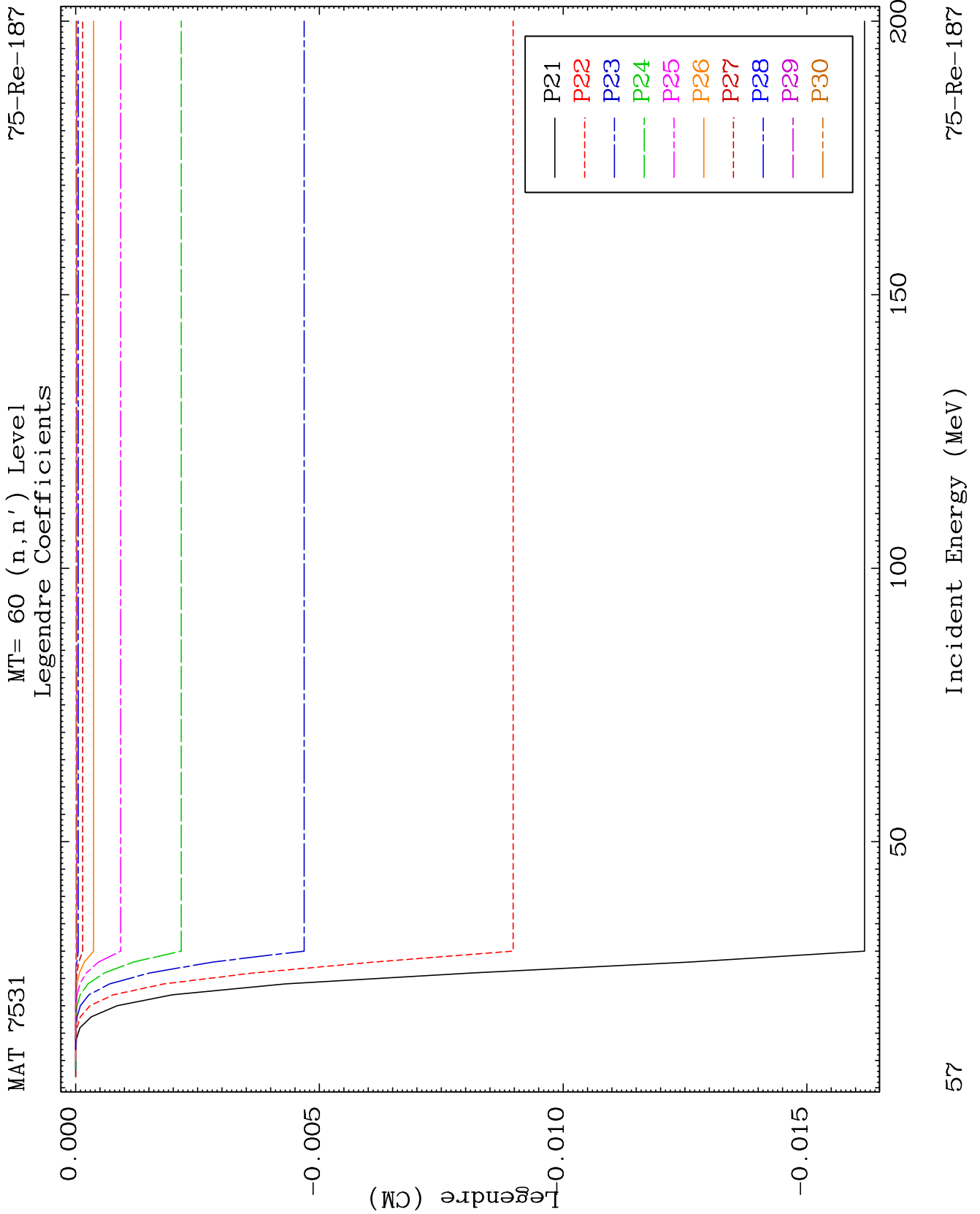


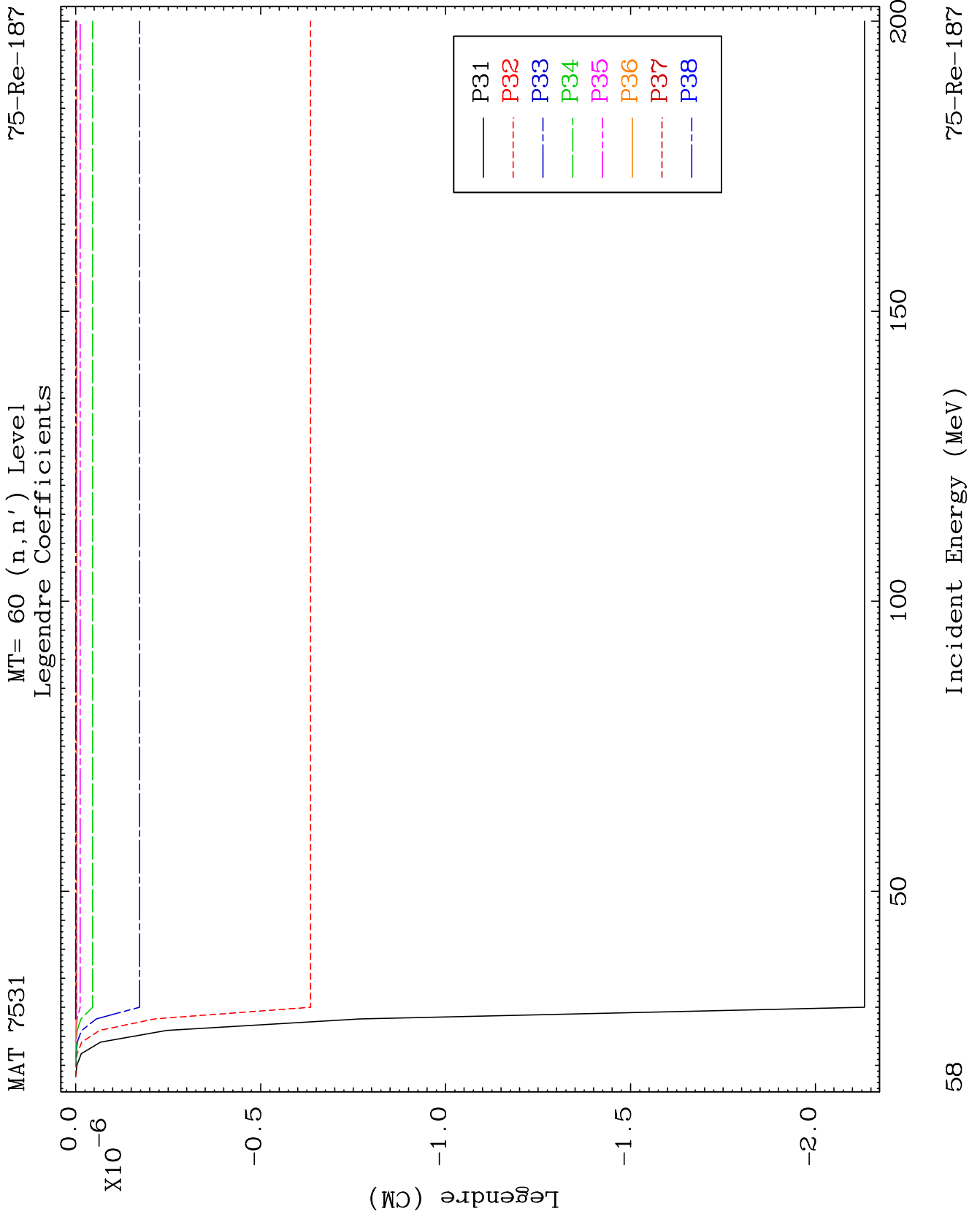
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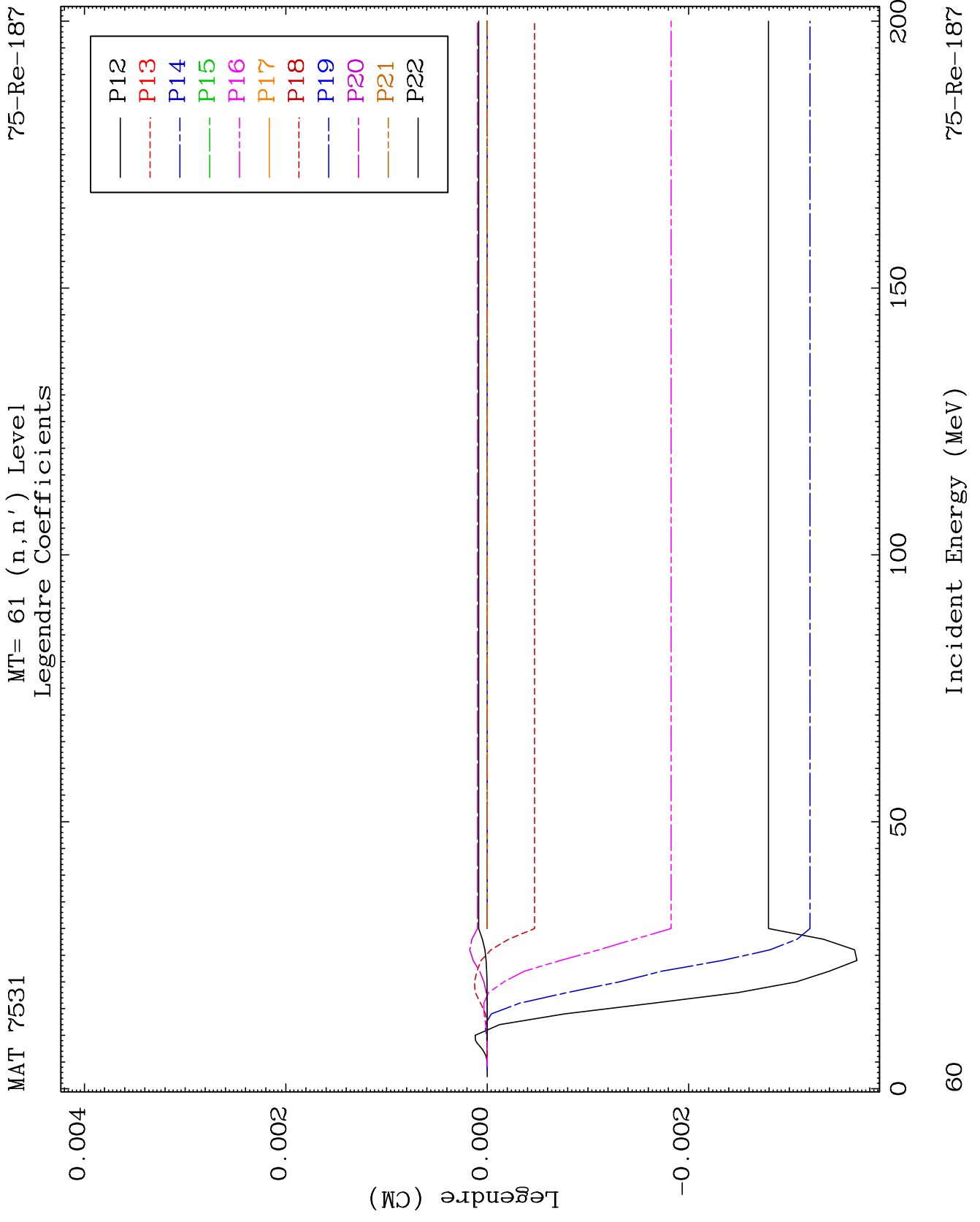
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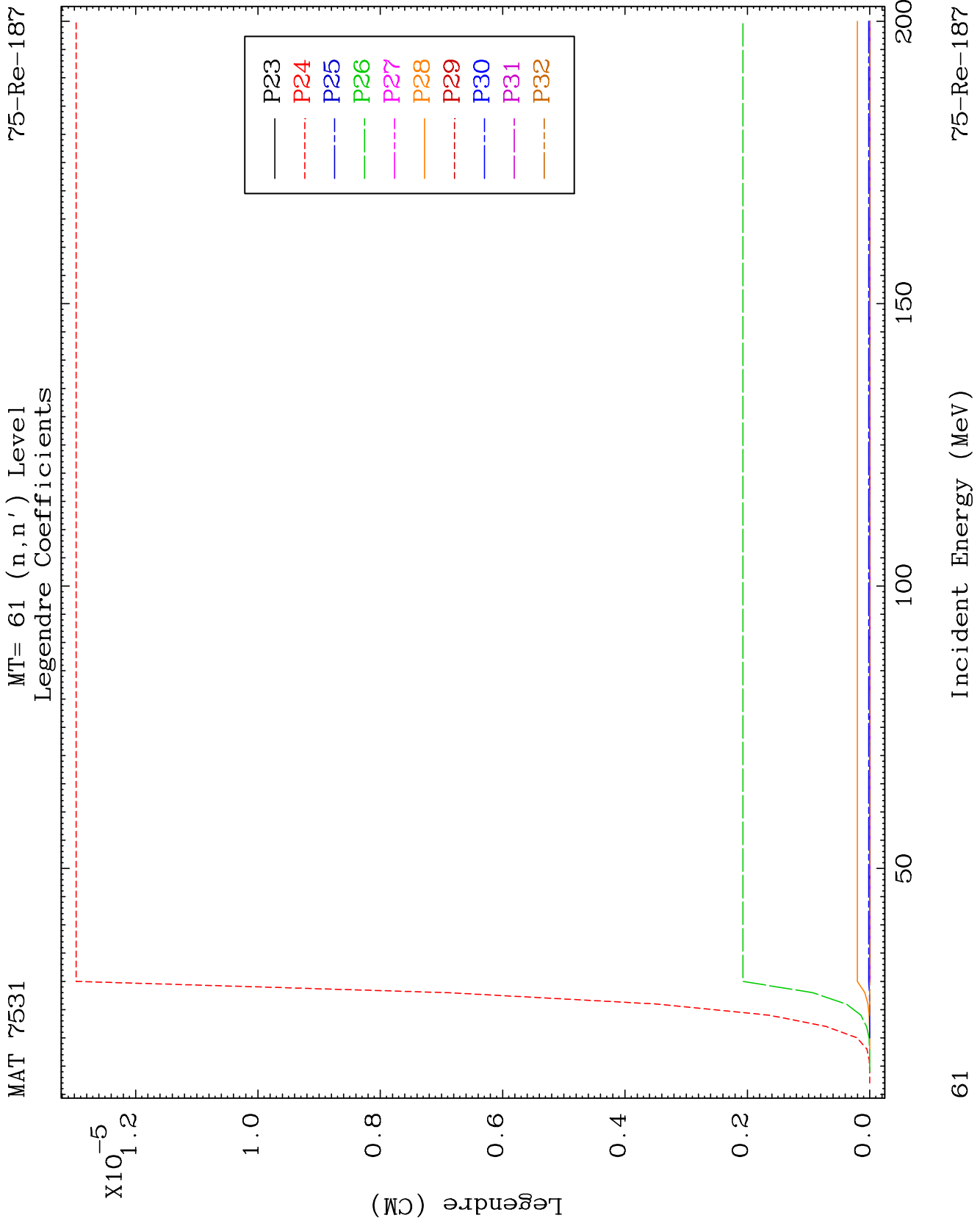


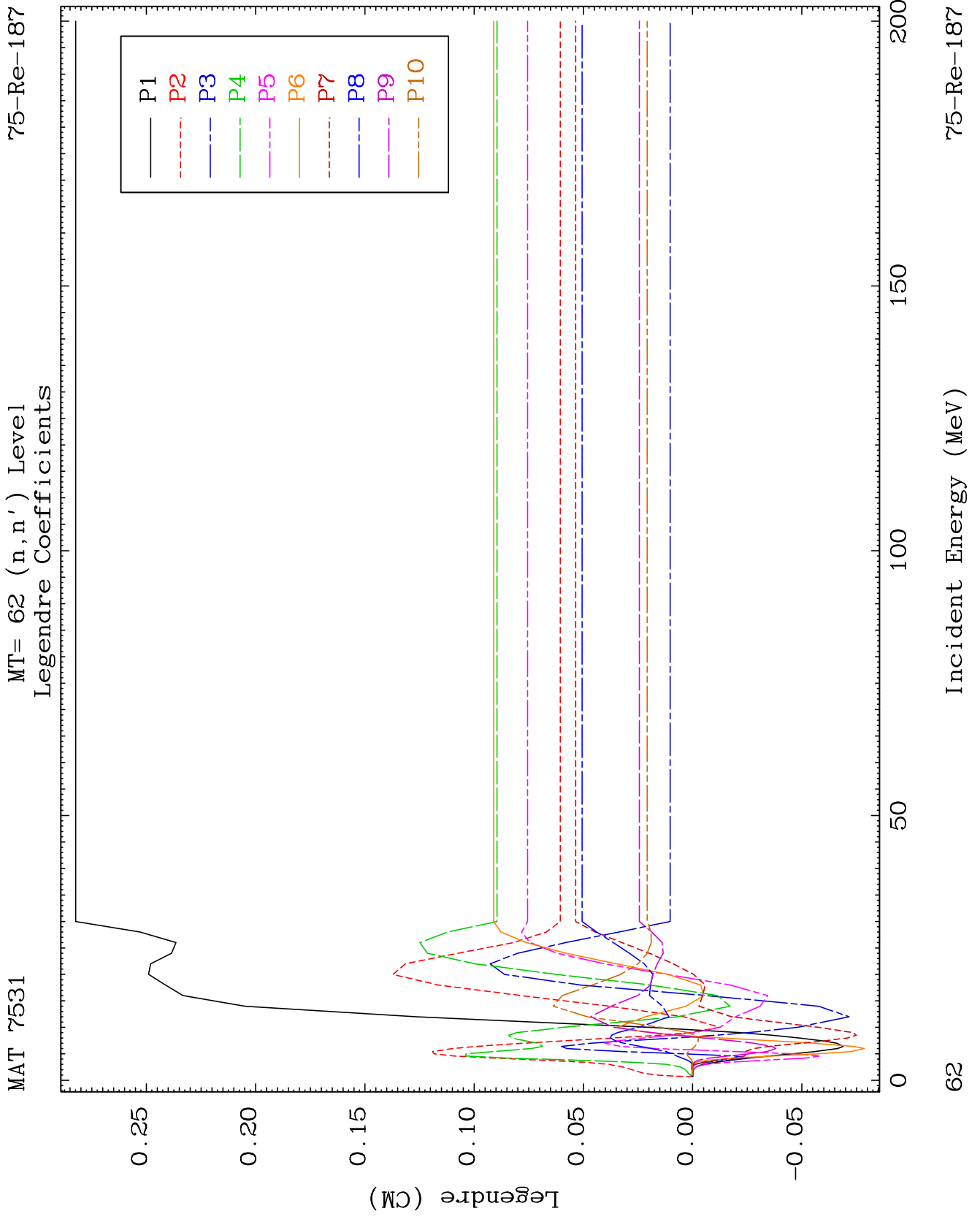


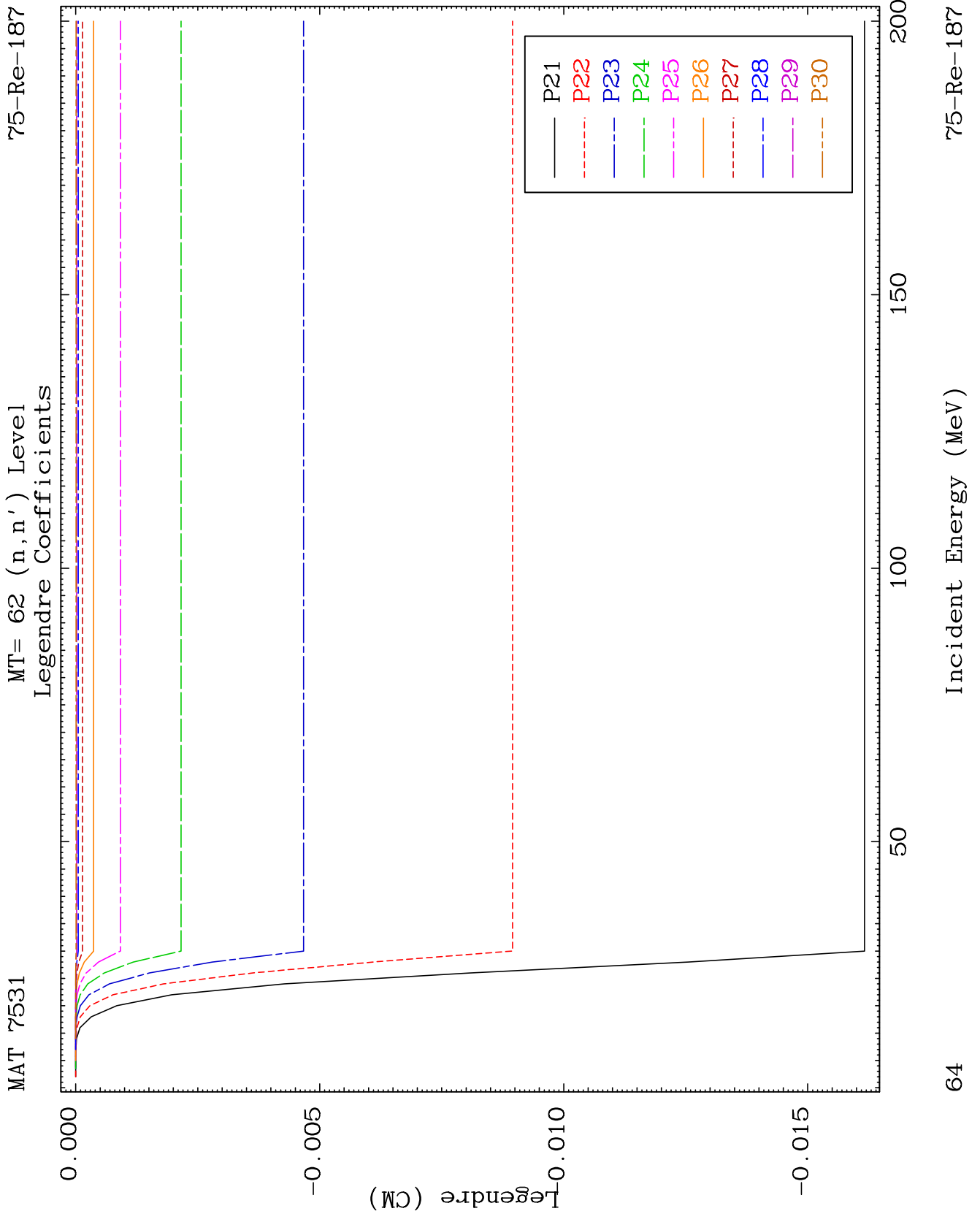


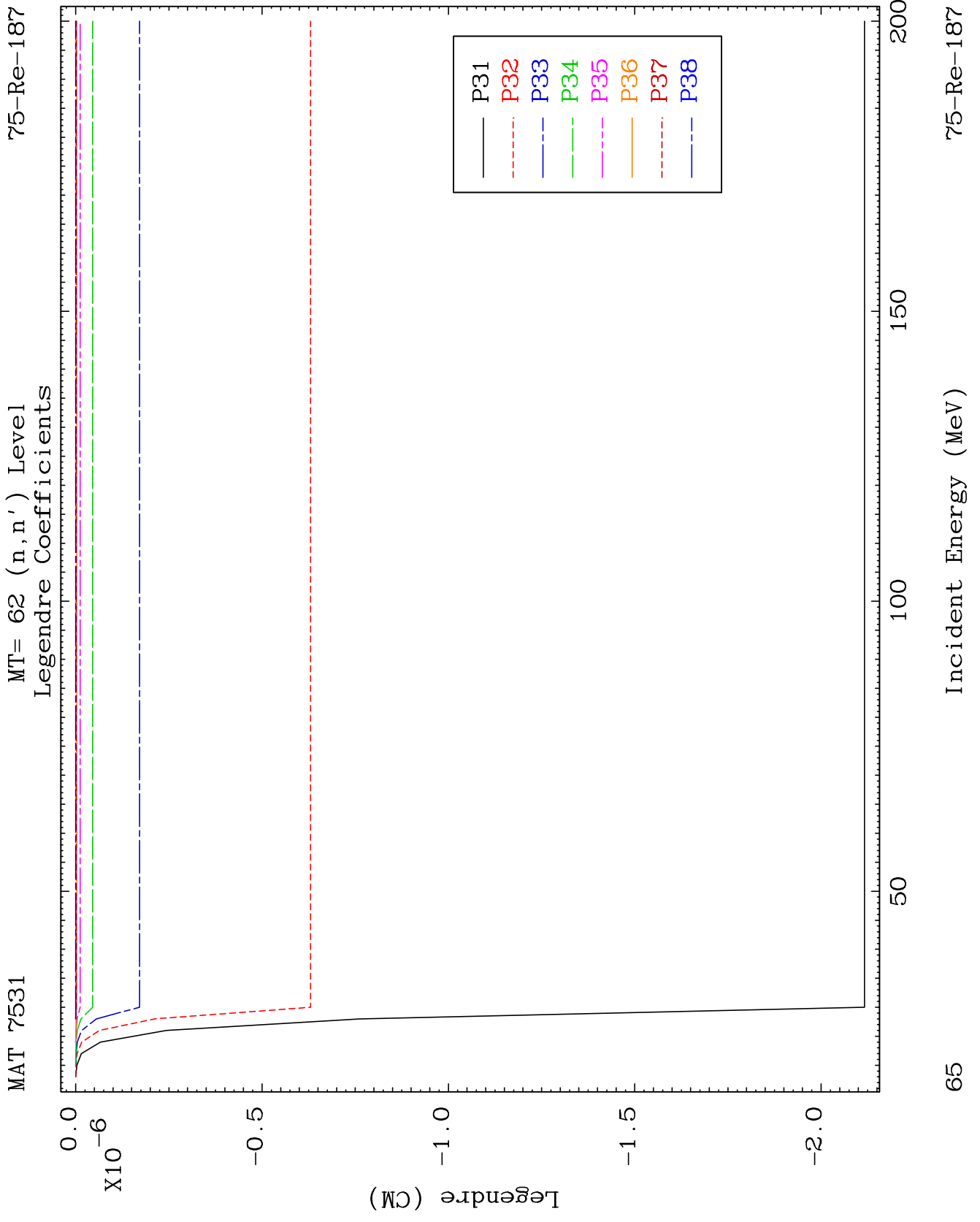








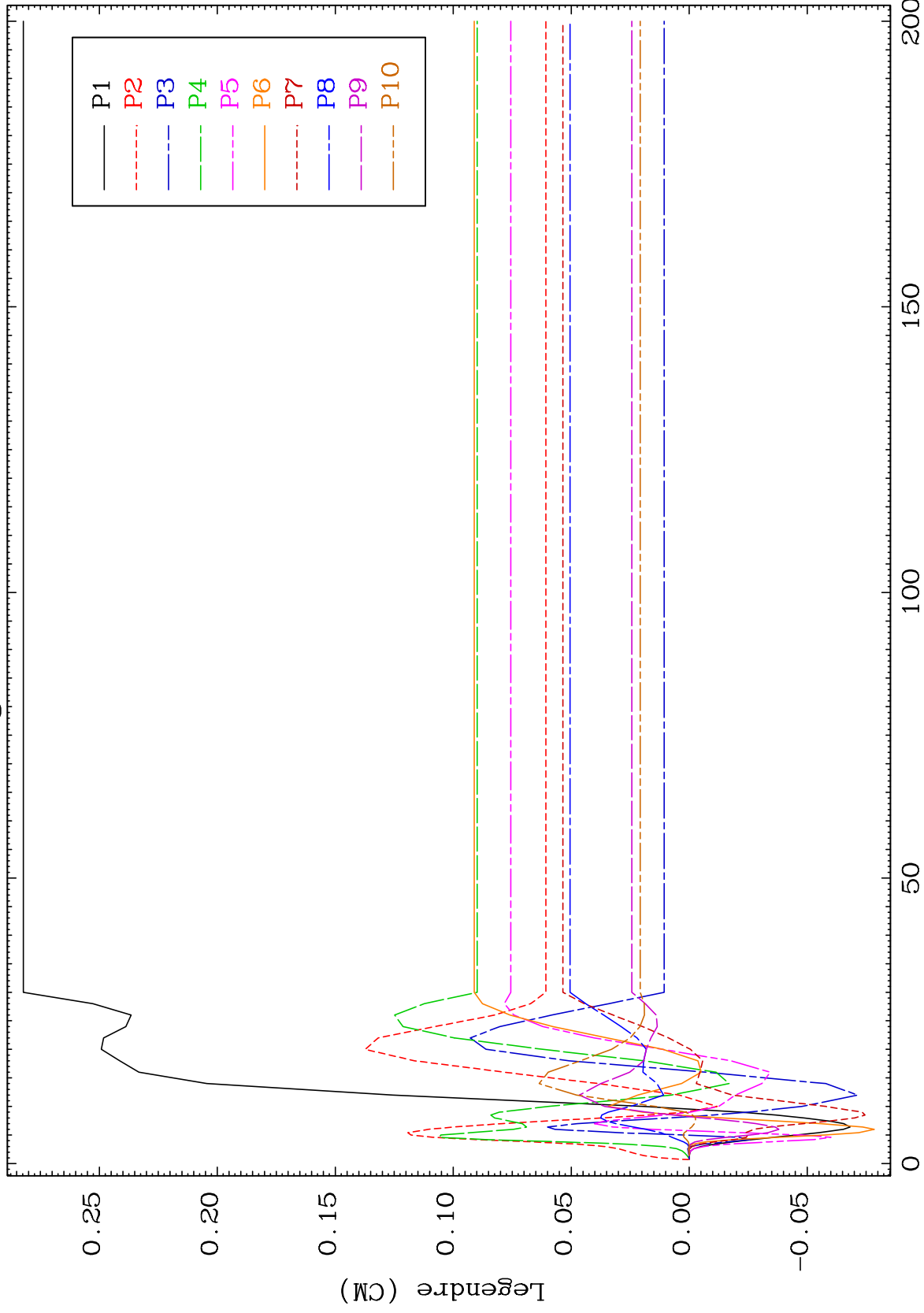




MAT 7531

MT= 63 (n,n') Level
Legendre Coefficients

75-Re-187



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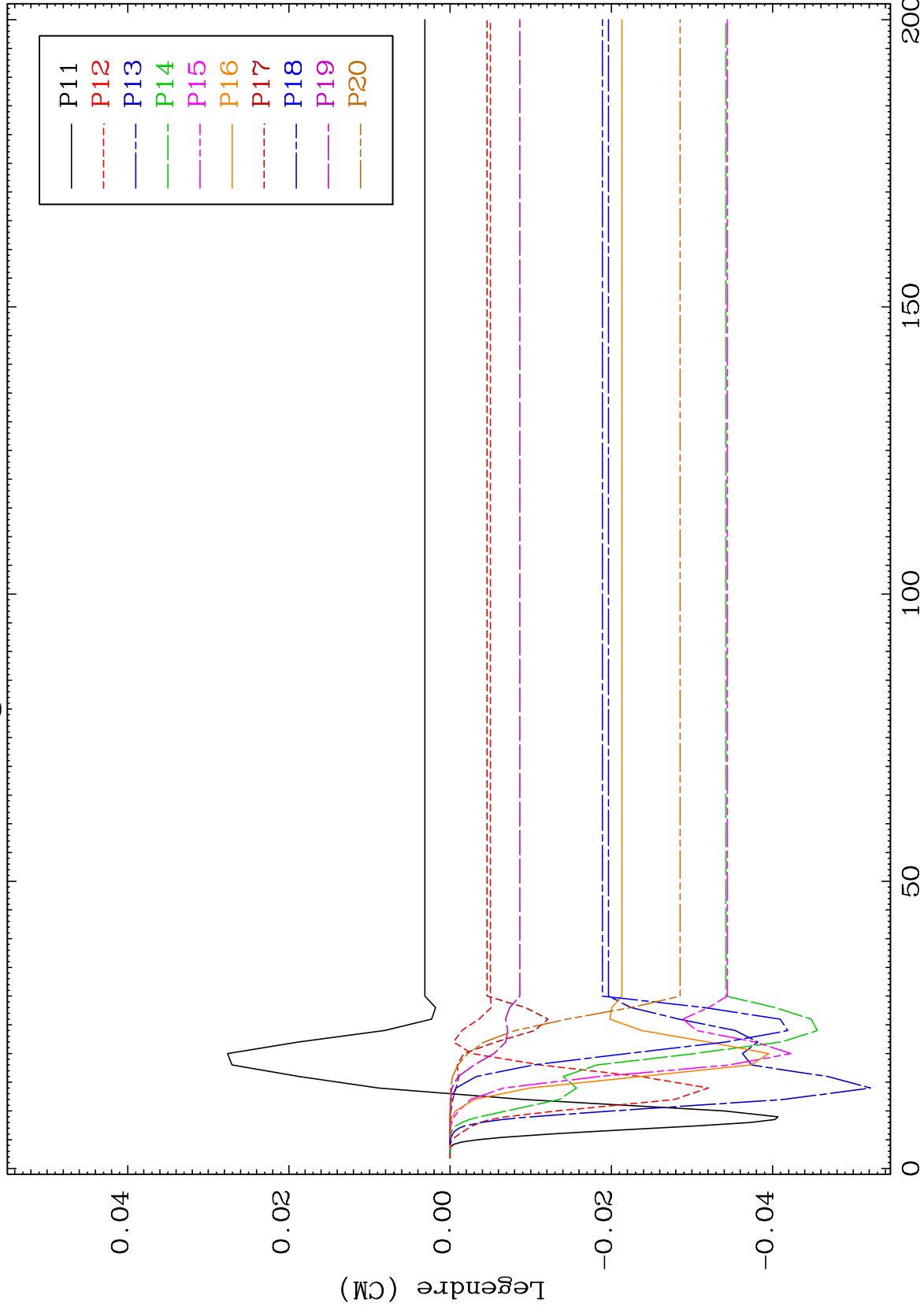
Incident Energy (MeV)

75-Re-187

MAT 7531

MT= 63 (n,n') Level
Legendre Coefficients

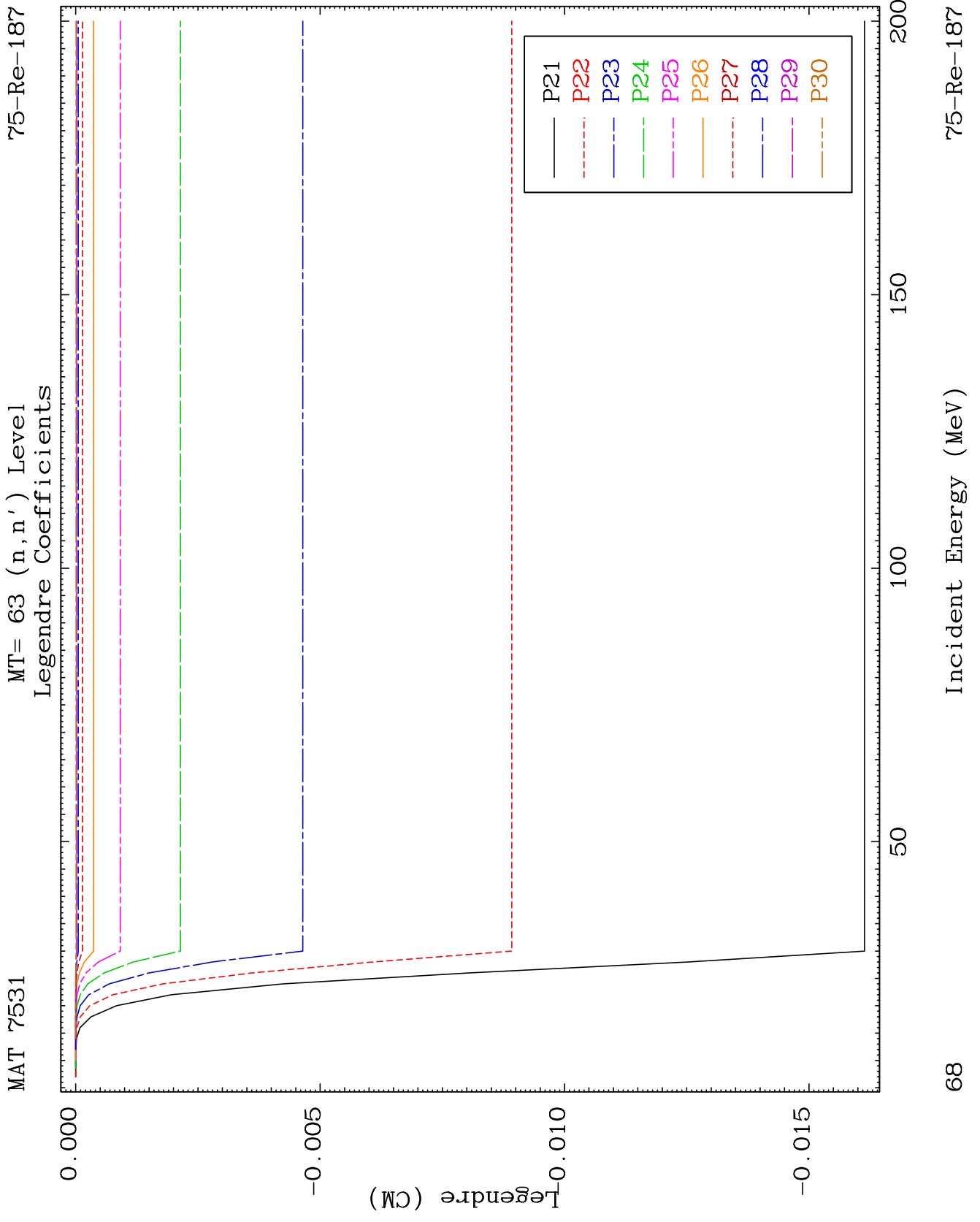
75-Re-187

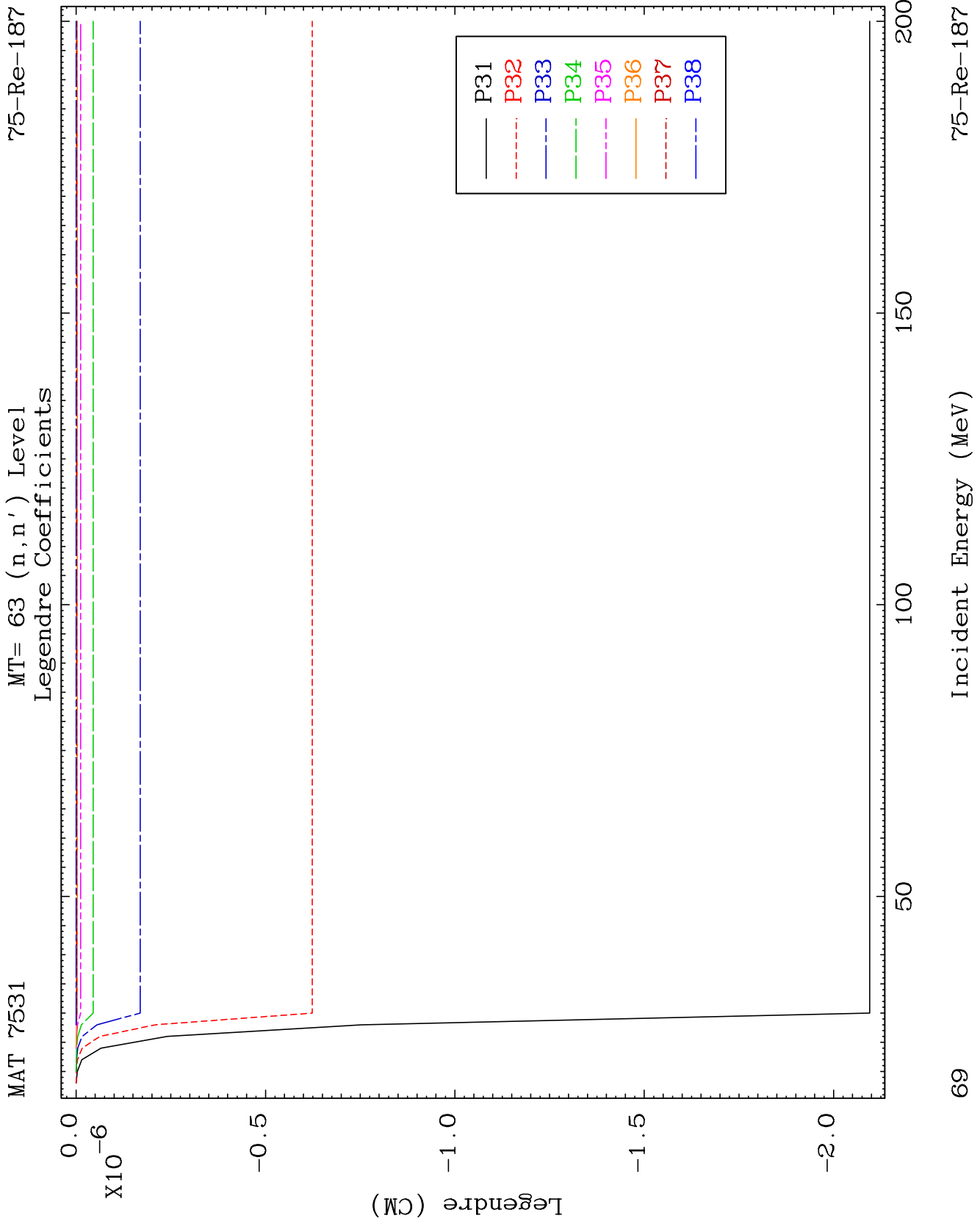


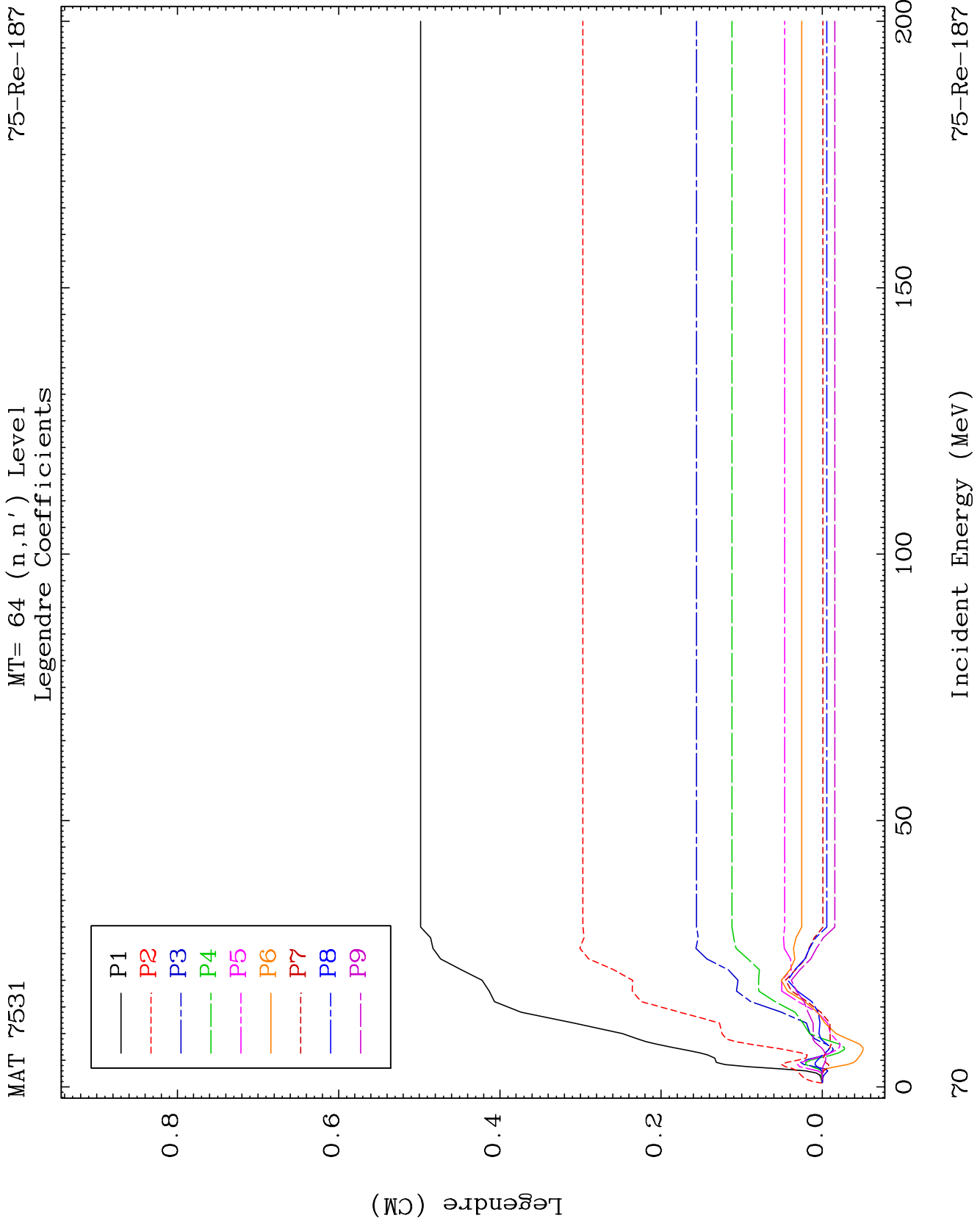
67

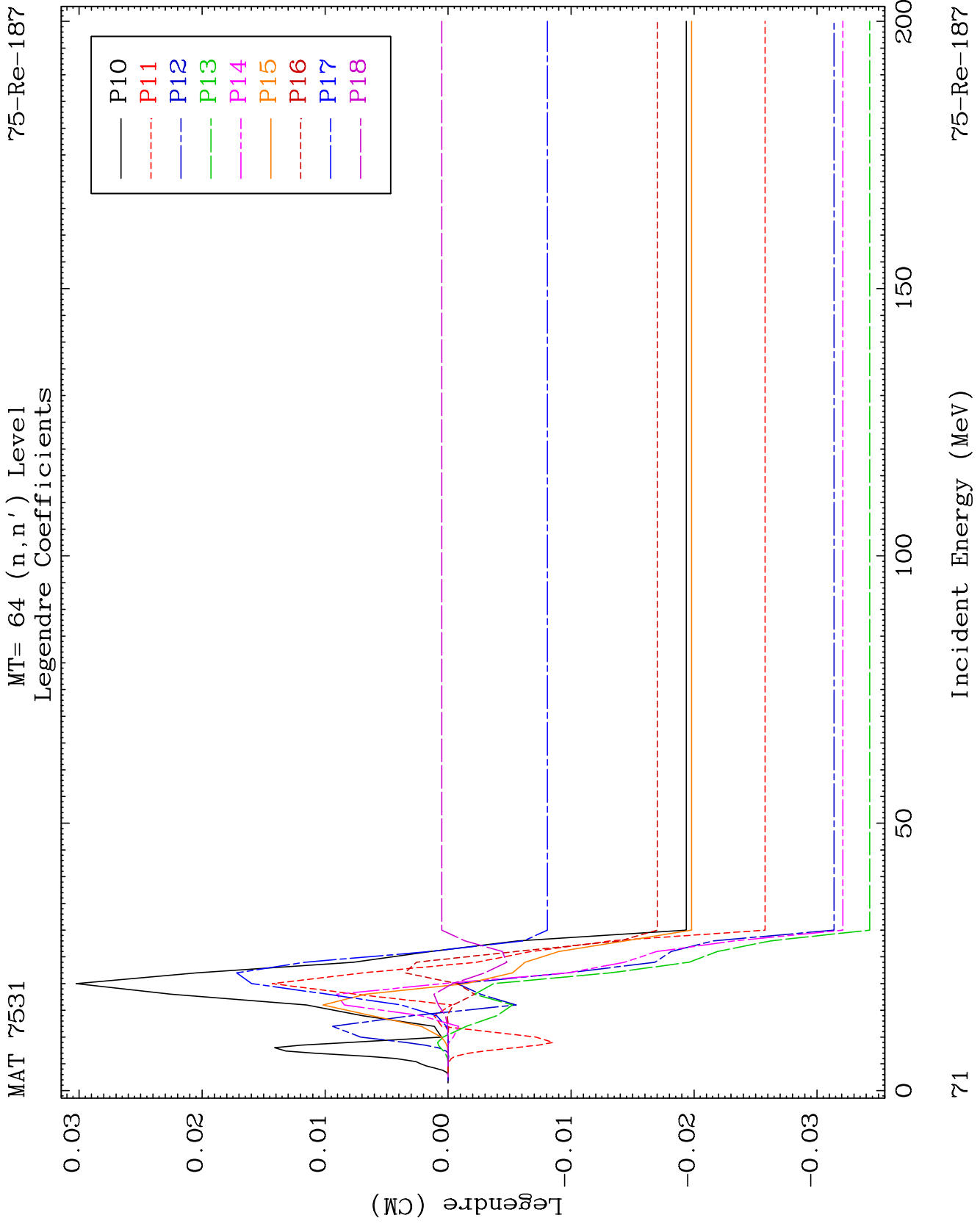
Incident Energy (MeV)

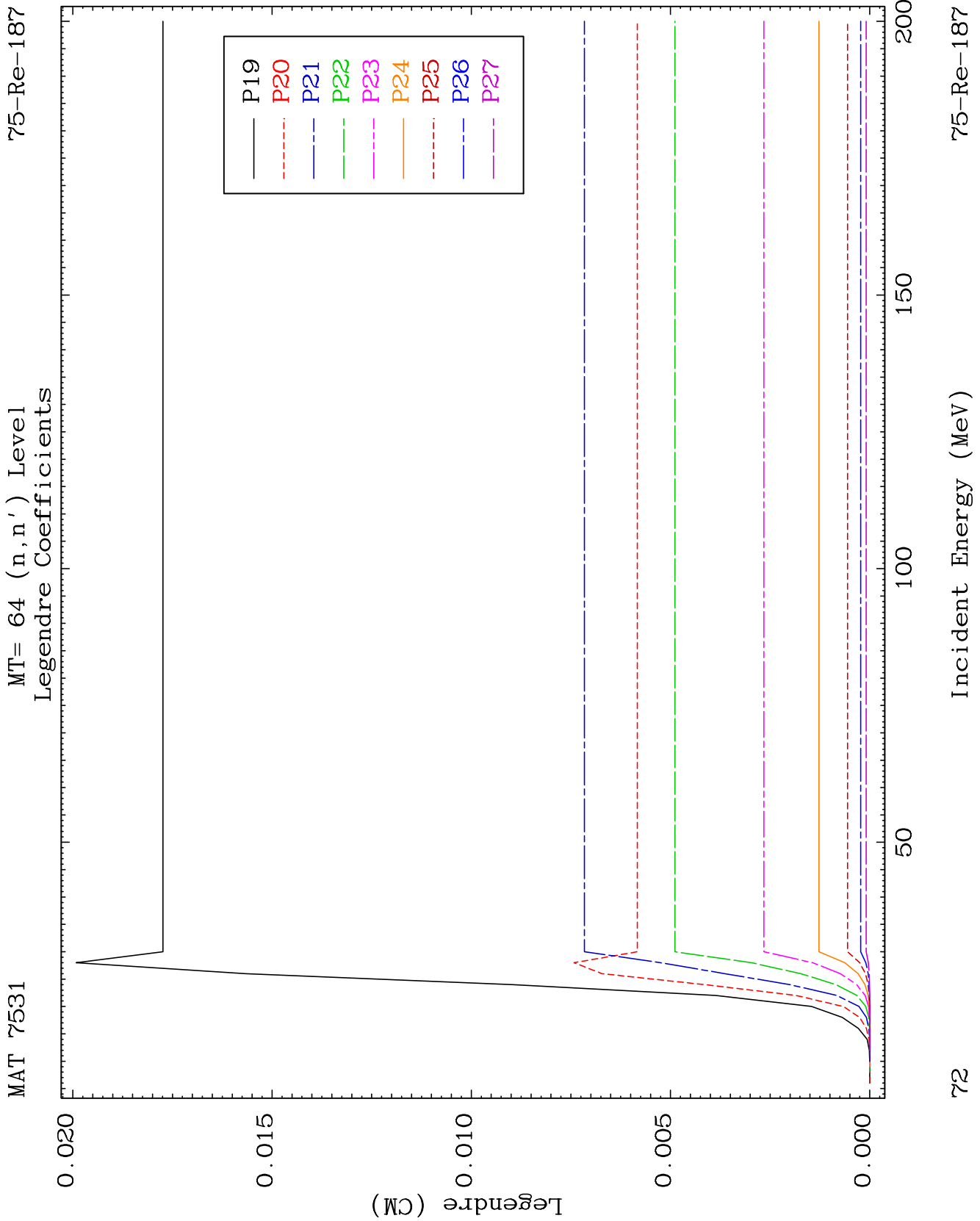
75-Re-187







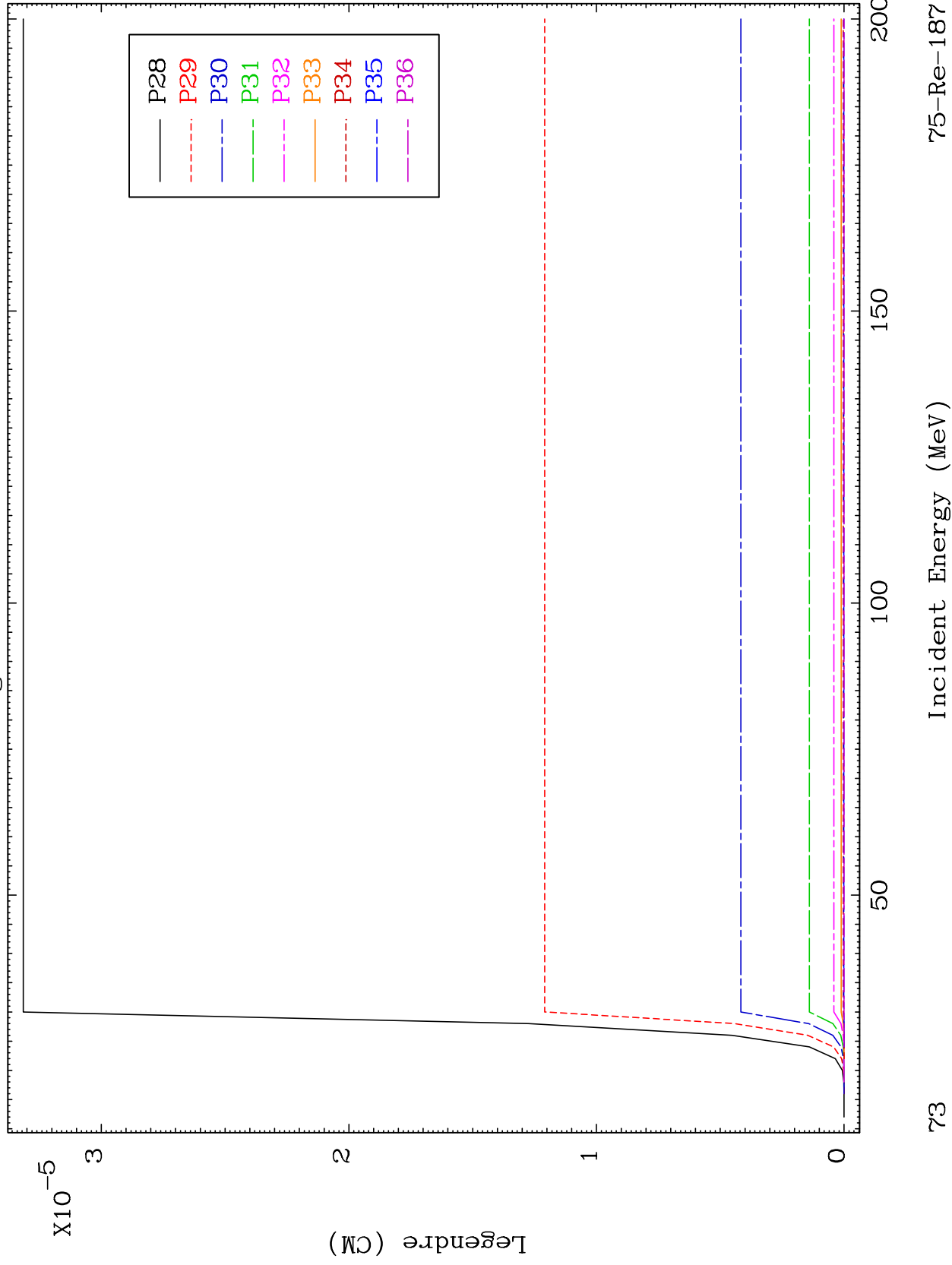


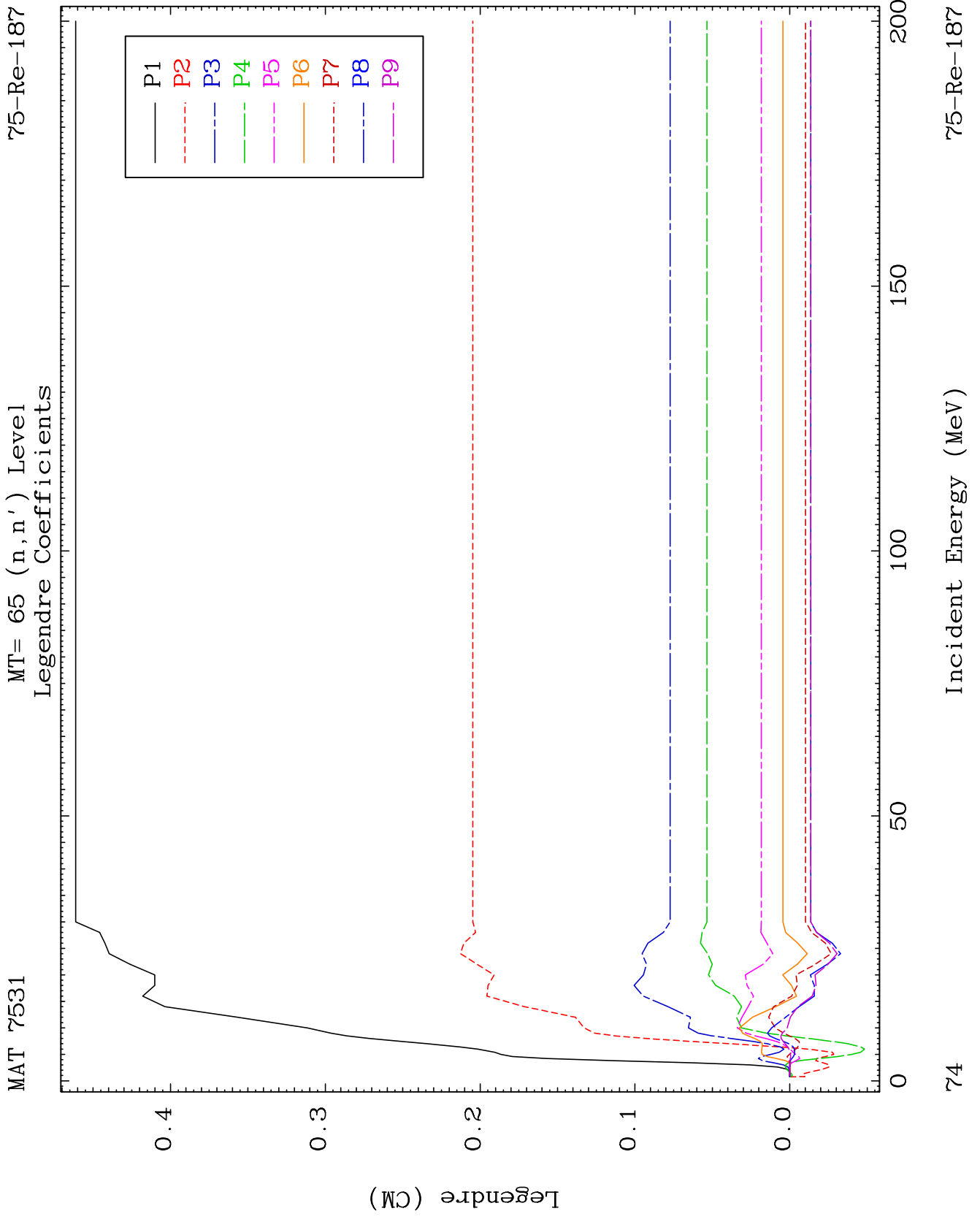


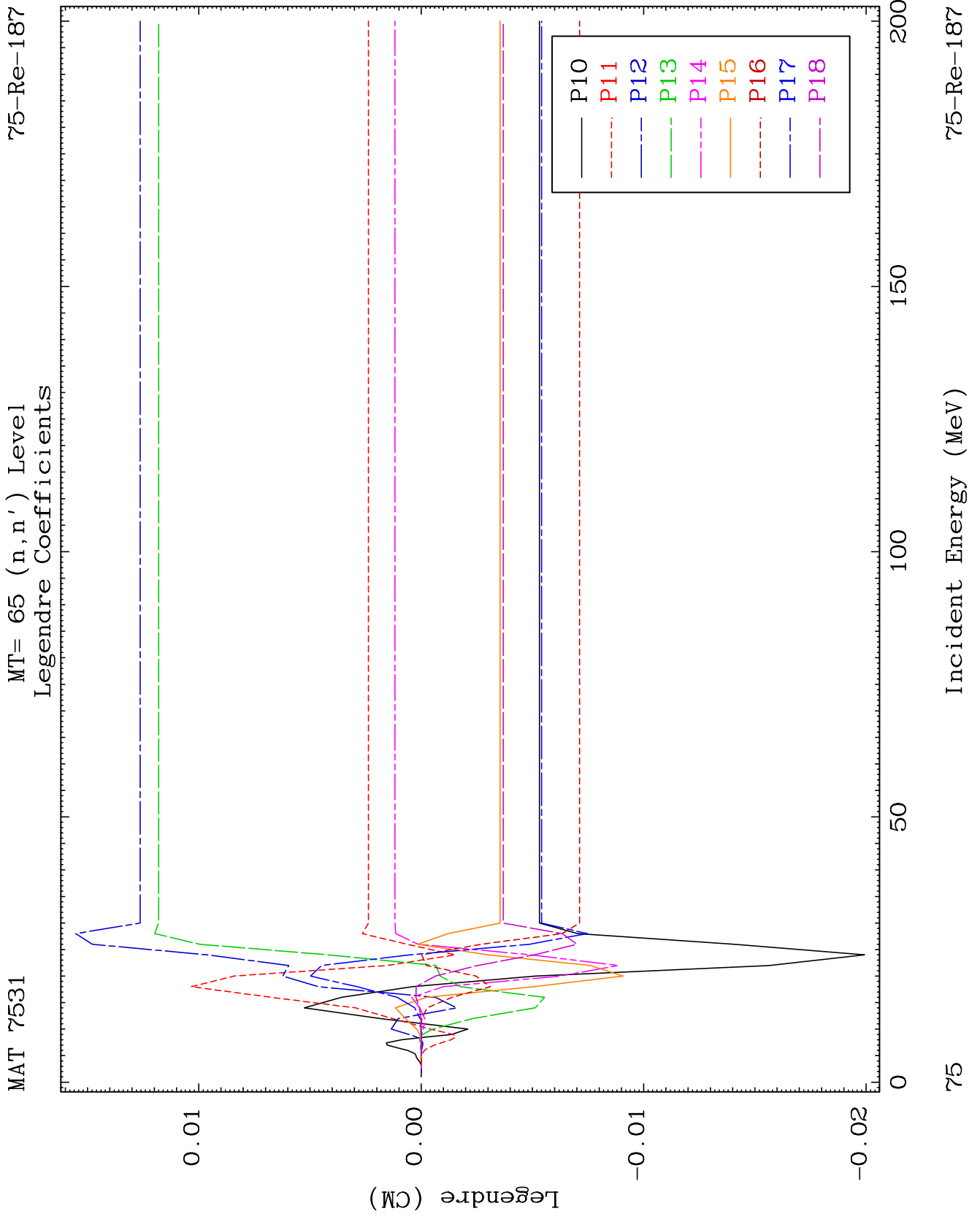
MAT 7531

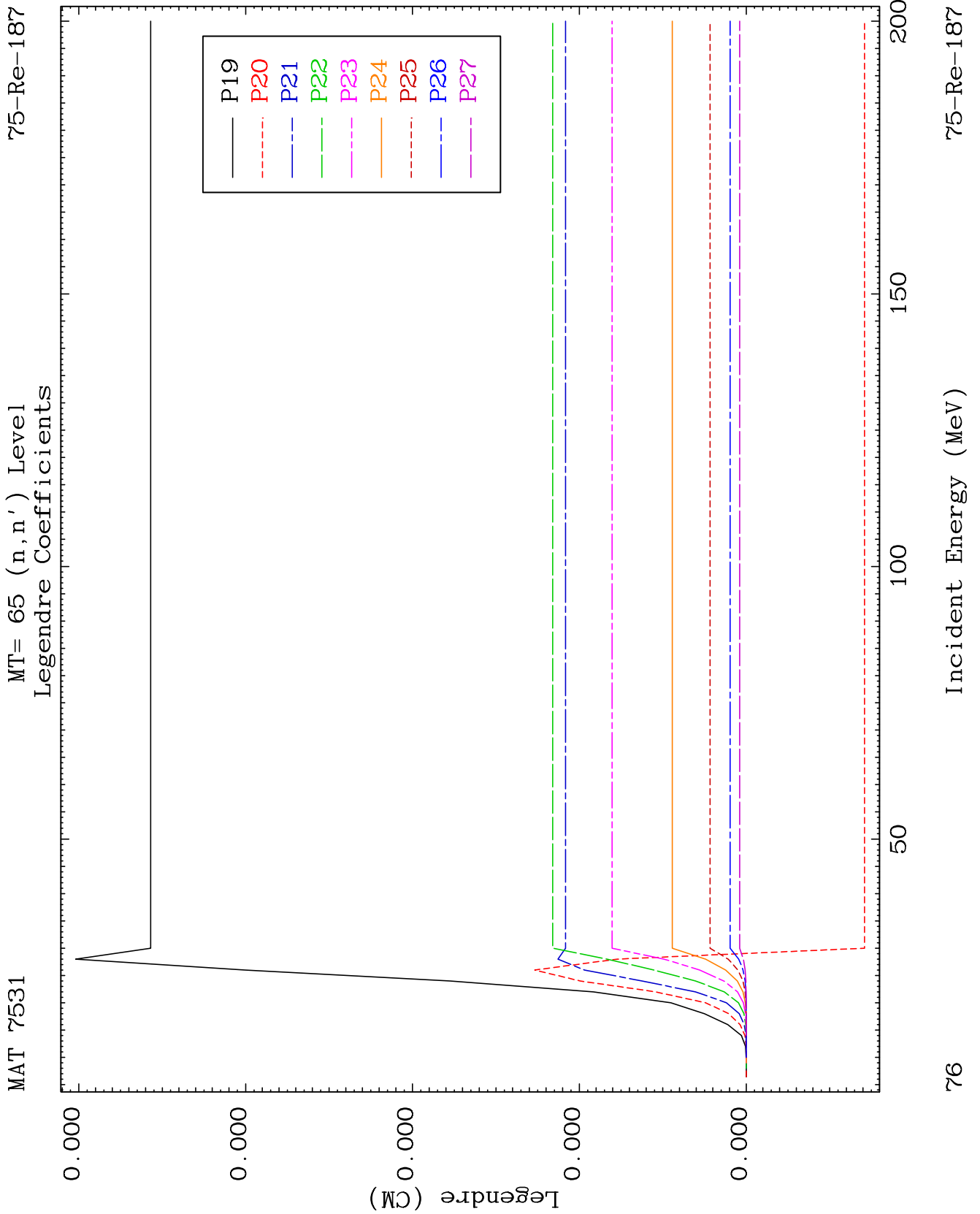
MT= 64 (n,n') Level
Legendre Coefficients

75-Re-187





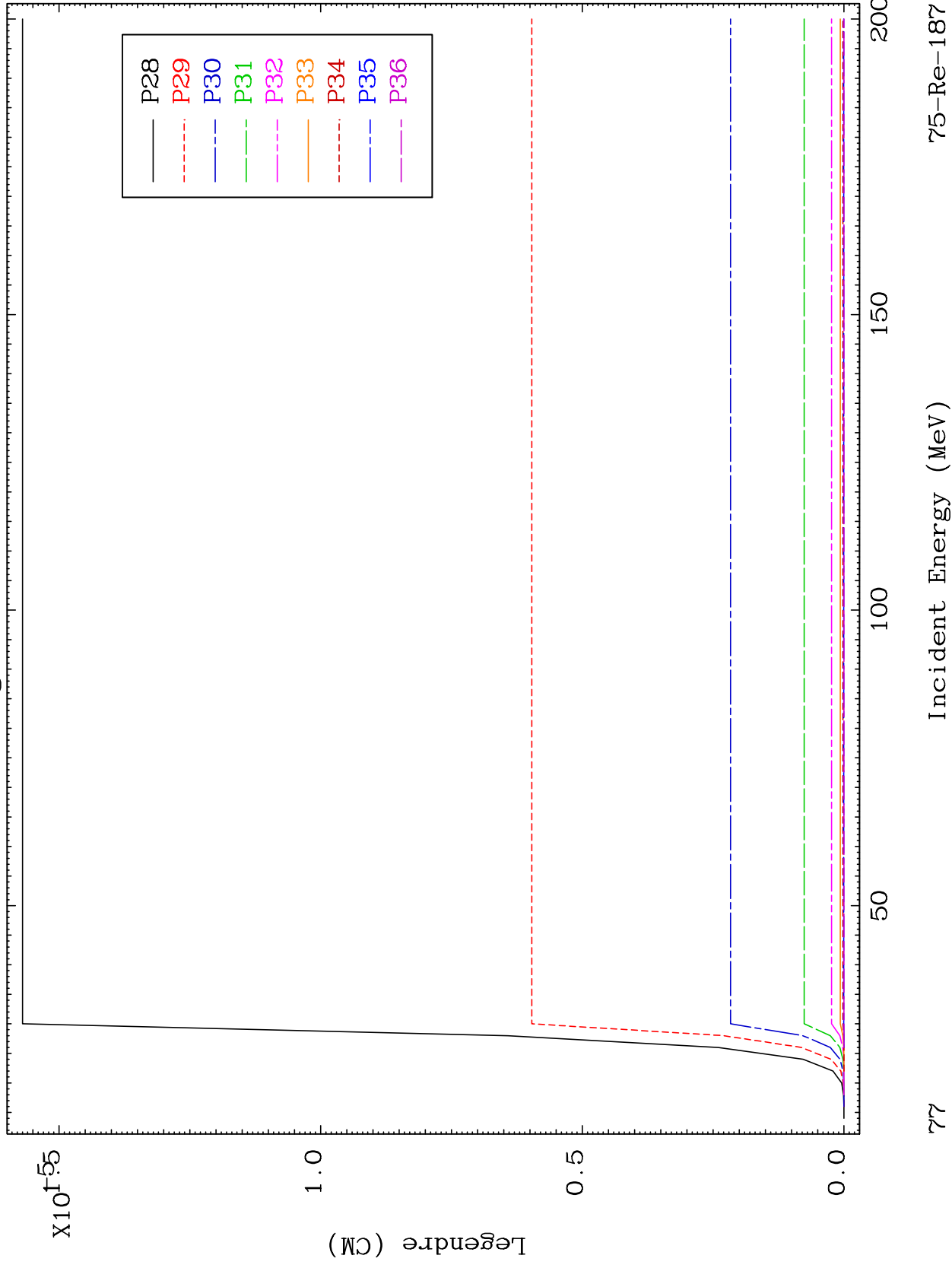




MAT 7531

MT= 65 (n,n') Level
Legendre Coefficients

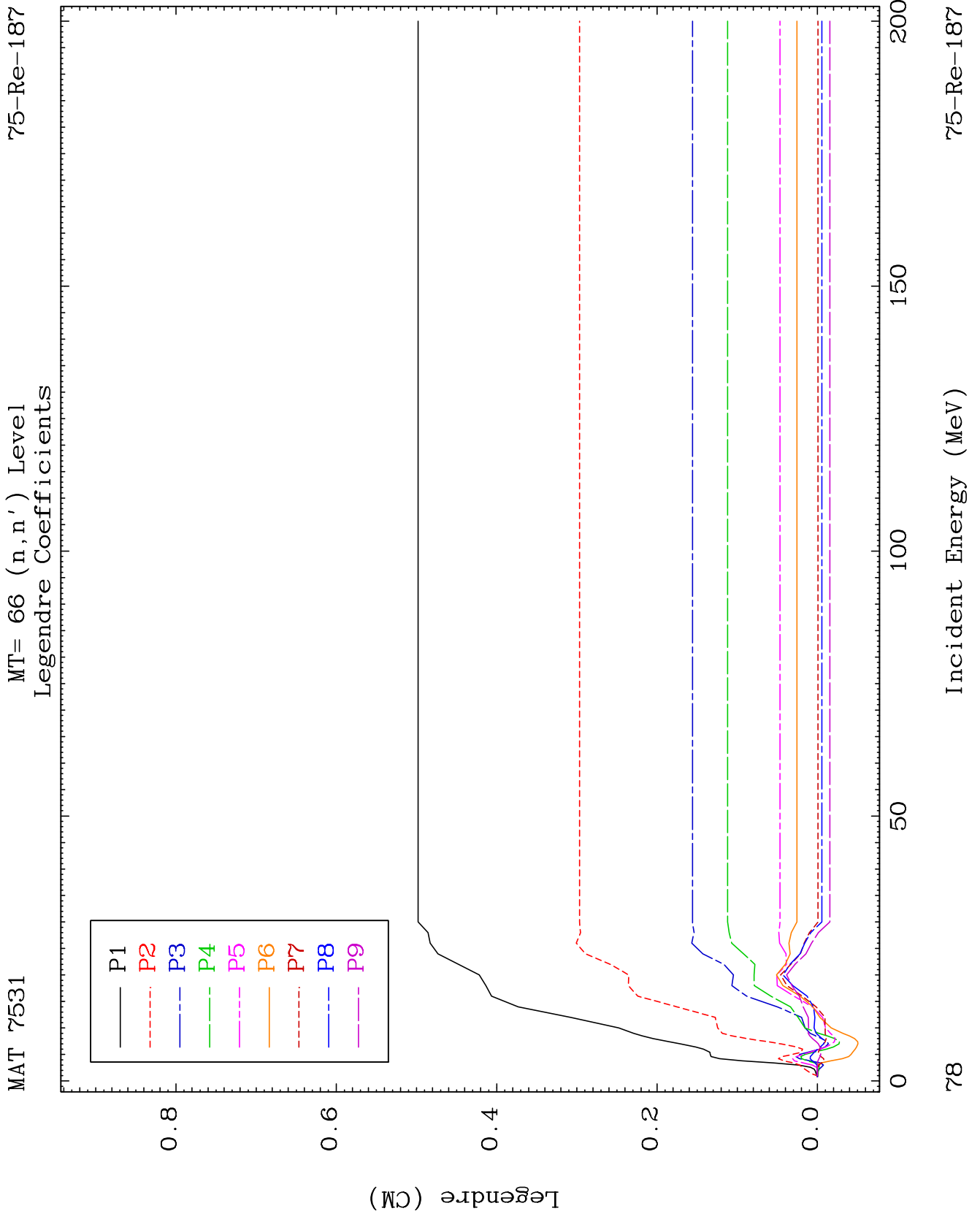
75-Re-187

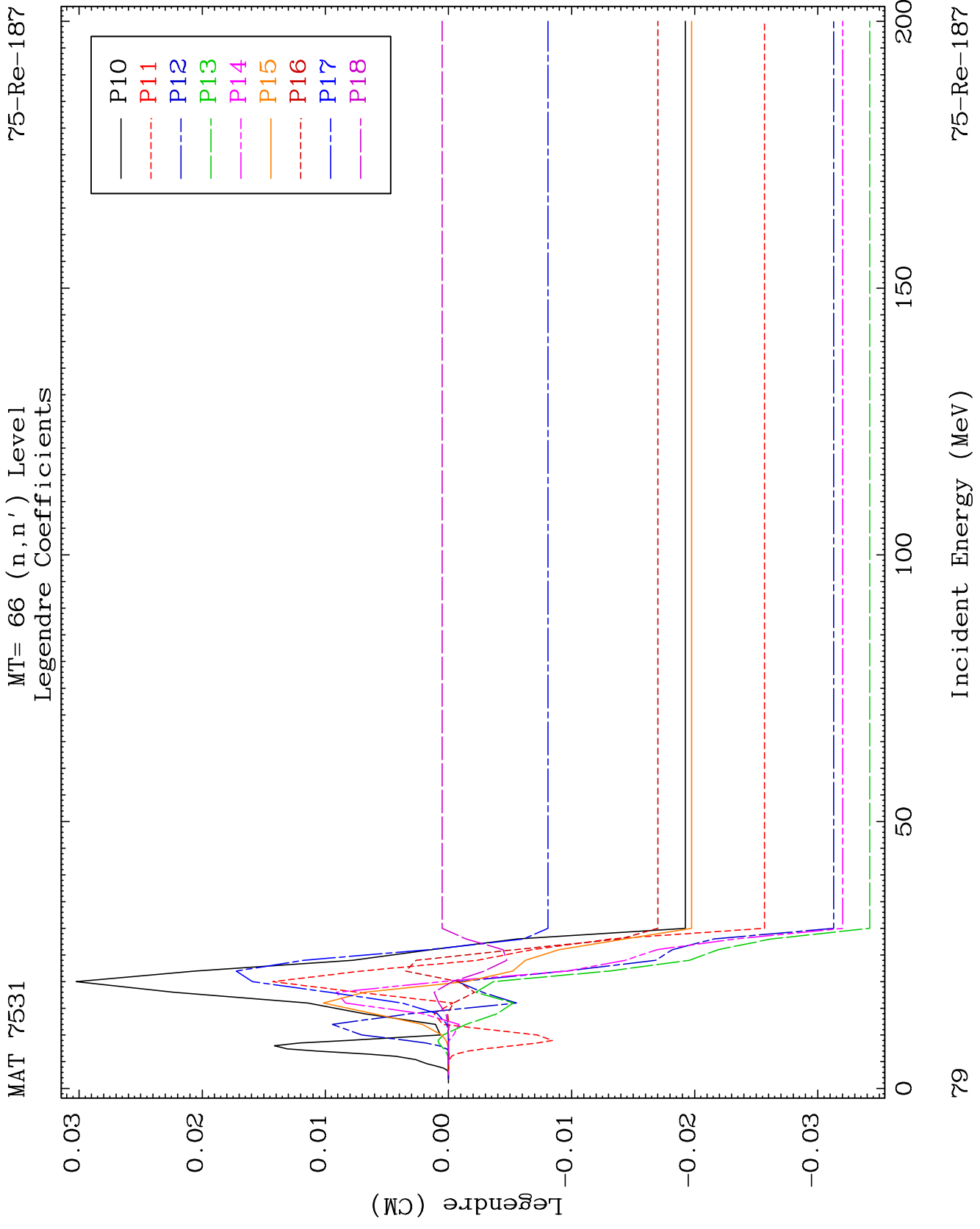


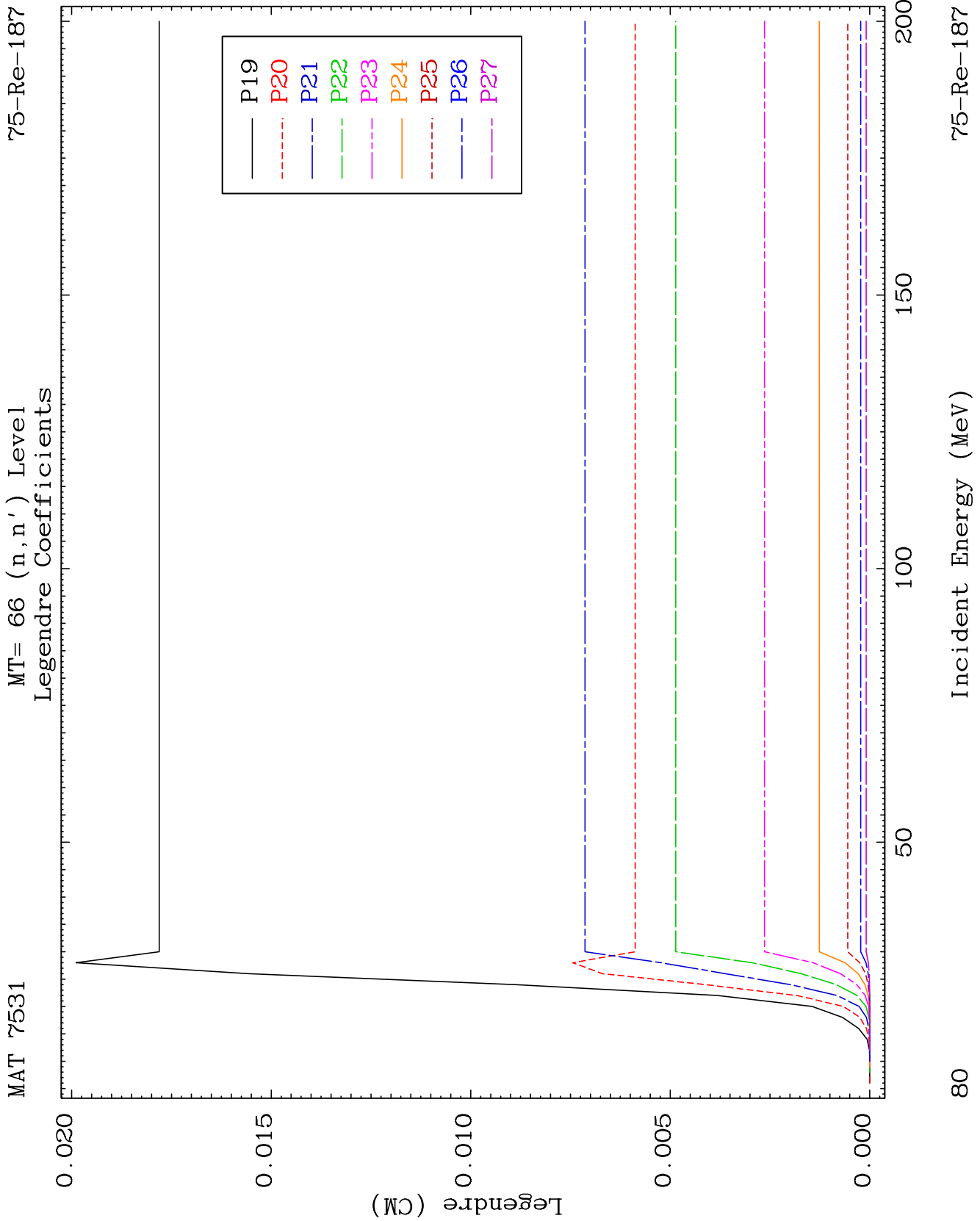
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Incident Energy (MeV)

75-Re-187



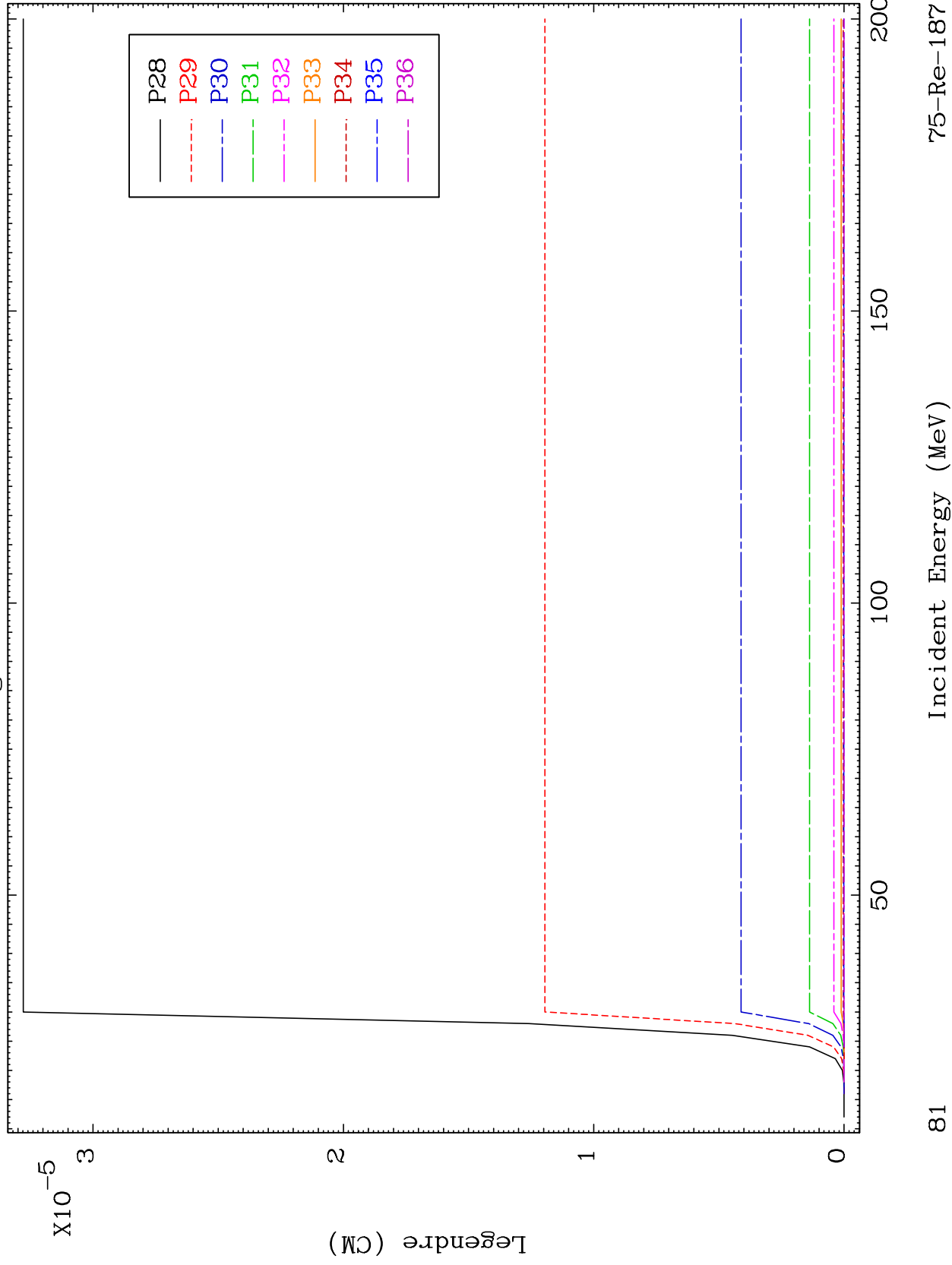




MAT 7531

MT= 66 (n,n') Level
Legendre Coefficients

75-Re-187



81

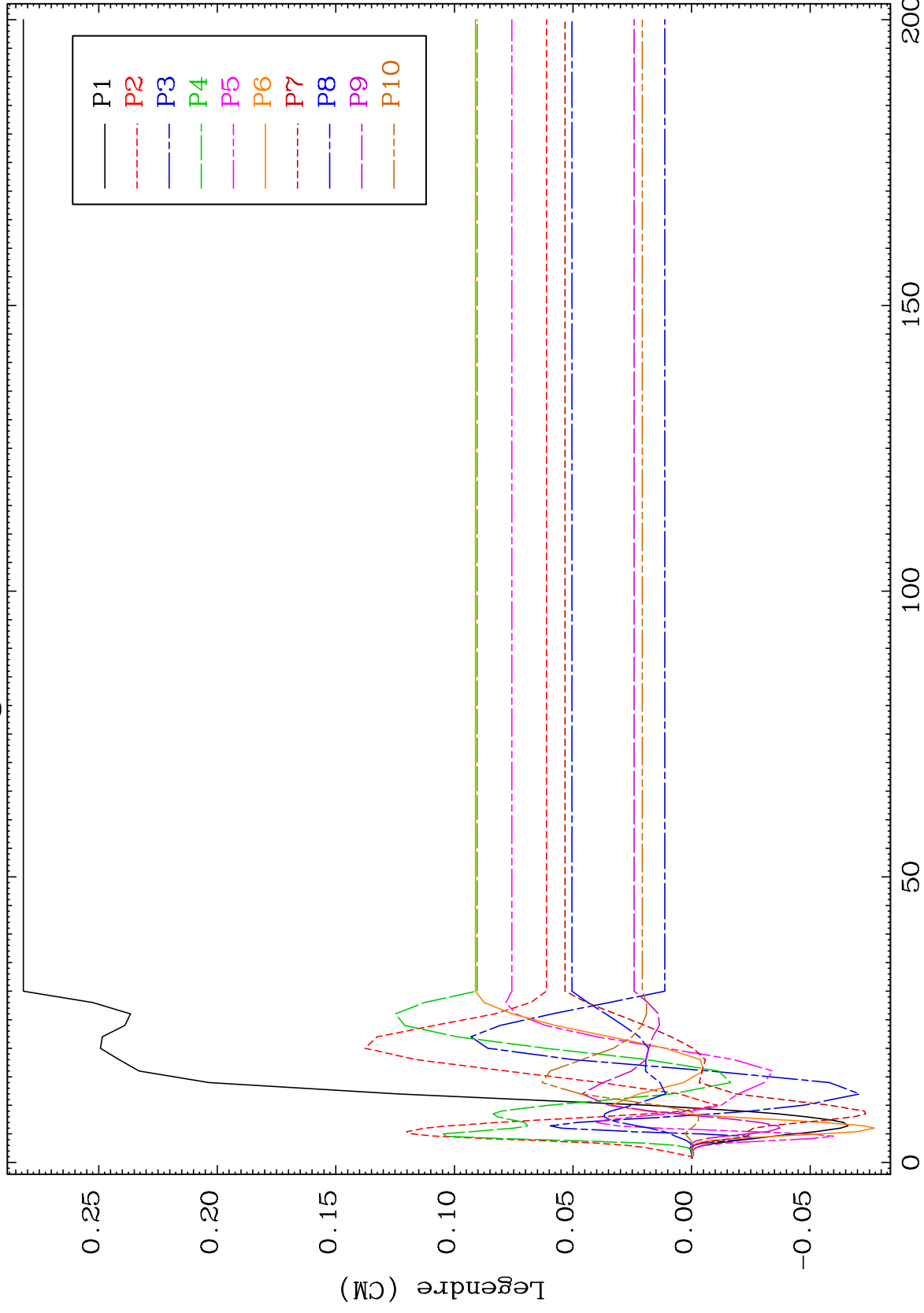
Incident Energy (MeV)

75-Re-187

MAT 7531

MT= 67 (n,n') Level
Legendre Coefficients

75-Re-187



82

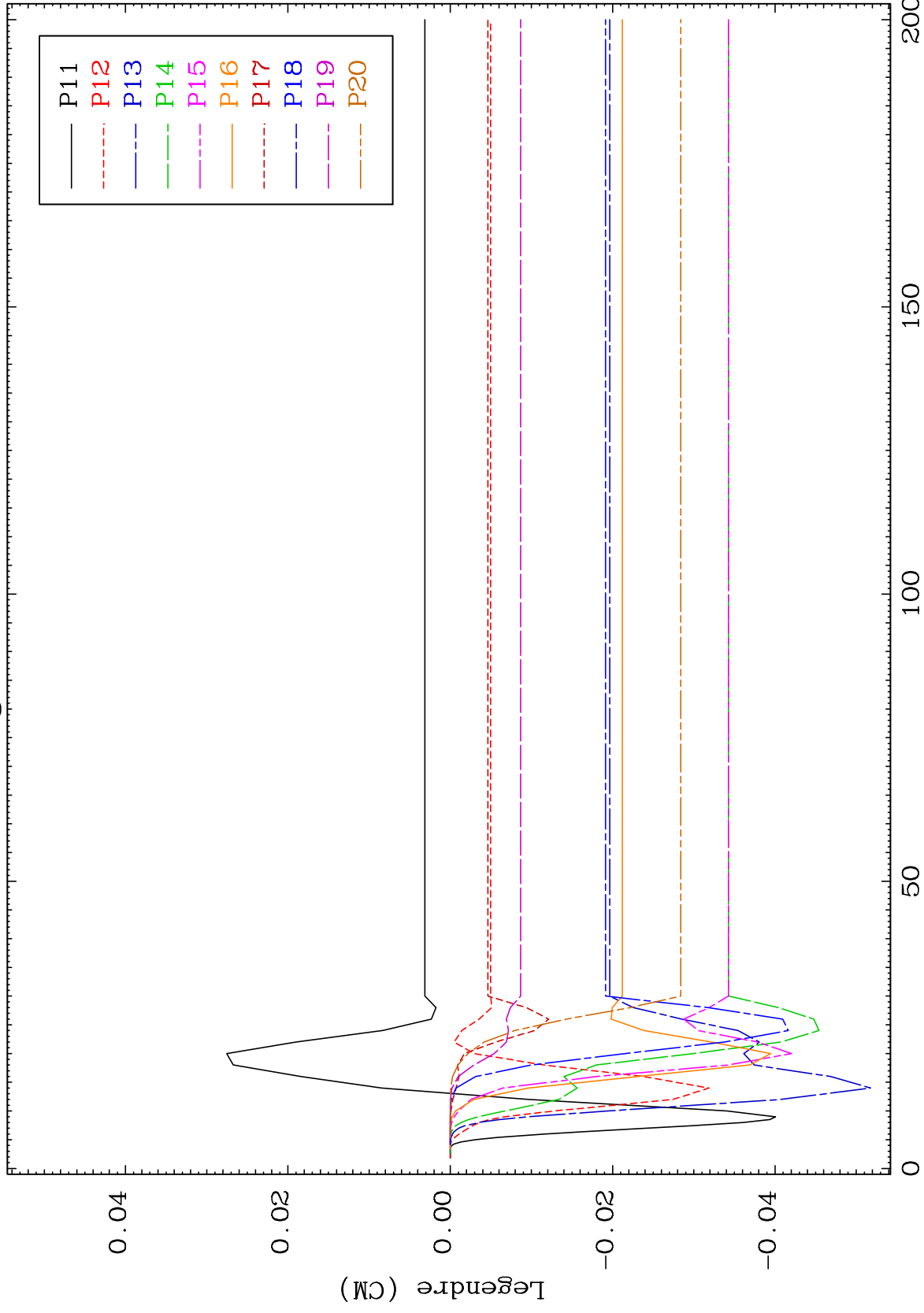
Incident Energy (MeV)

75-Re-187

MAT 7531

MT= 67 (n,n') Level
Legendre Coefficients

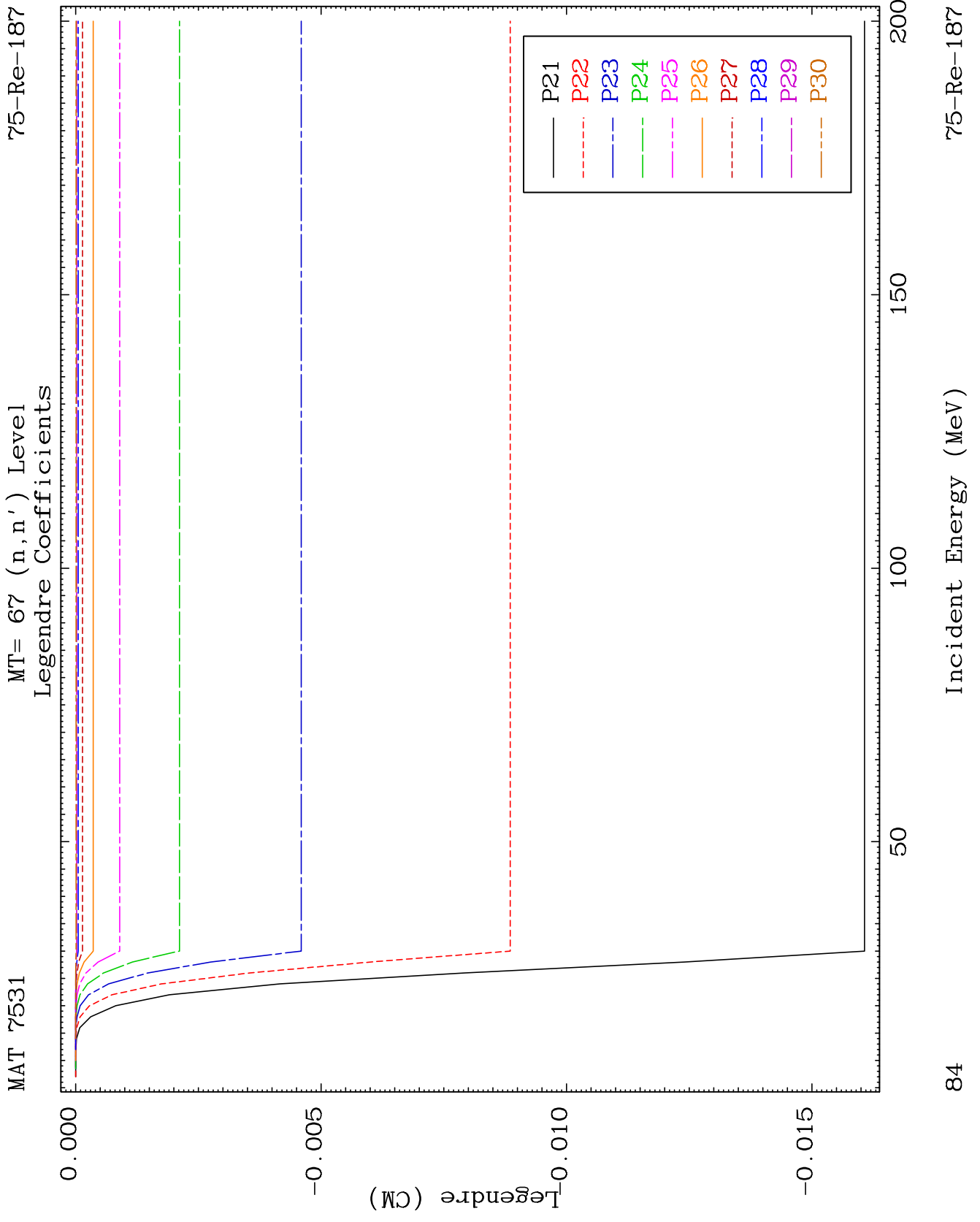
75-Re-187

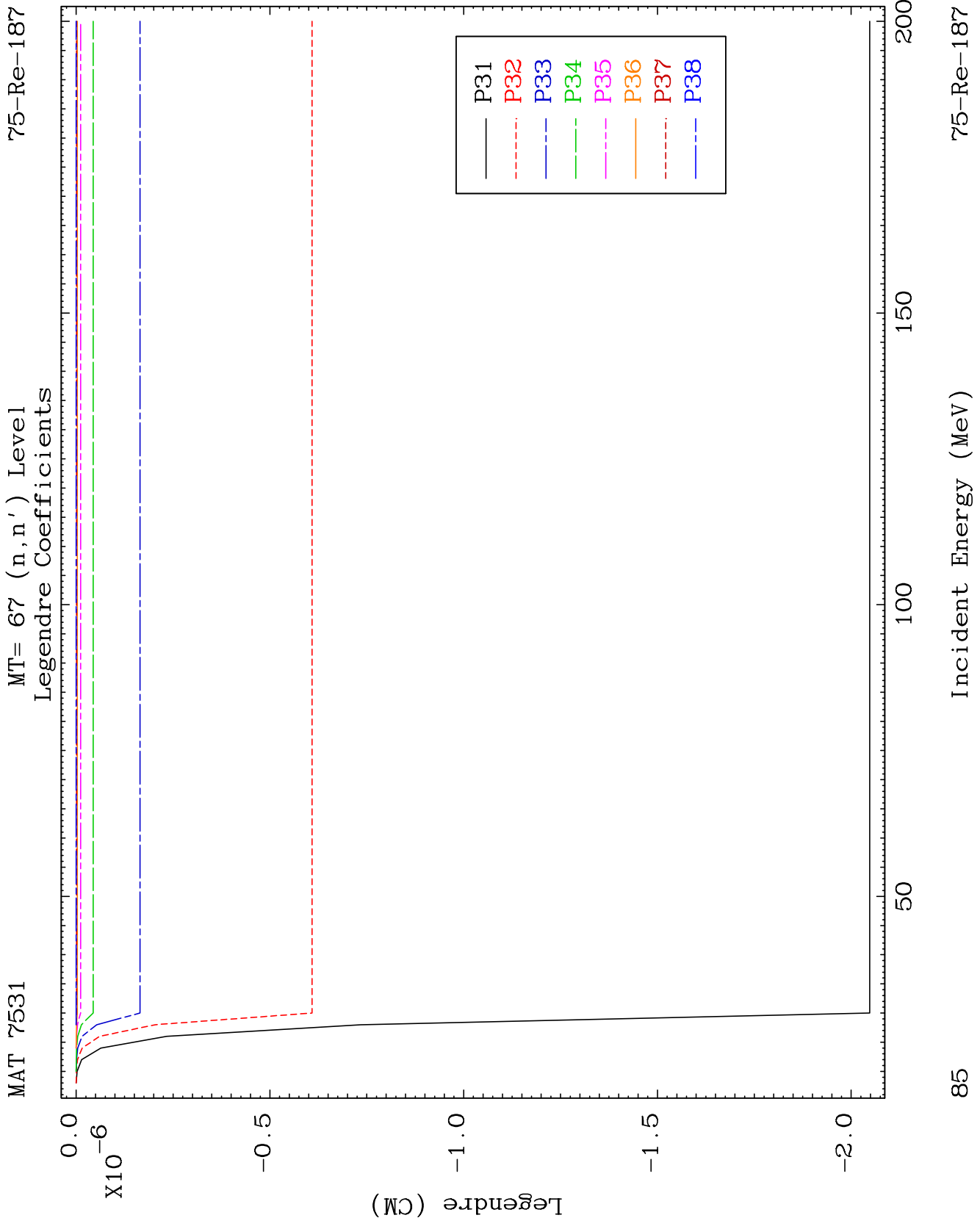


83

Incident Energy (MeV)

75-Re-187

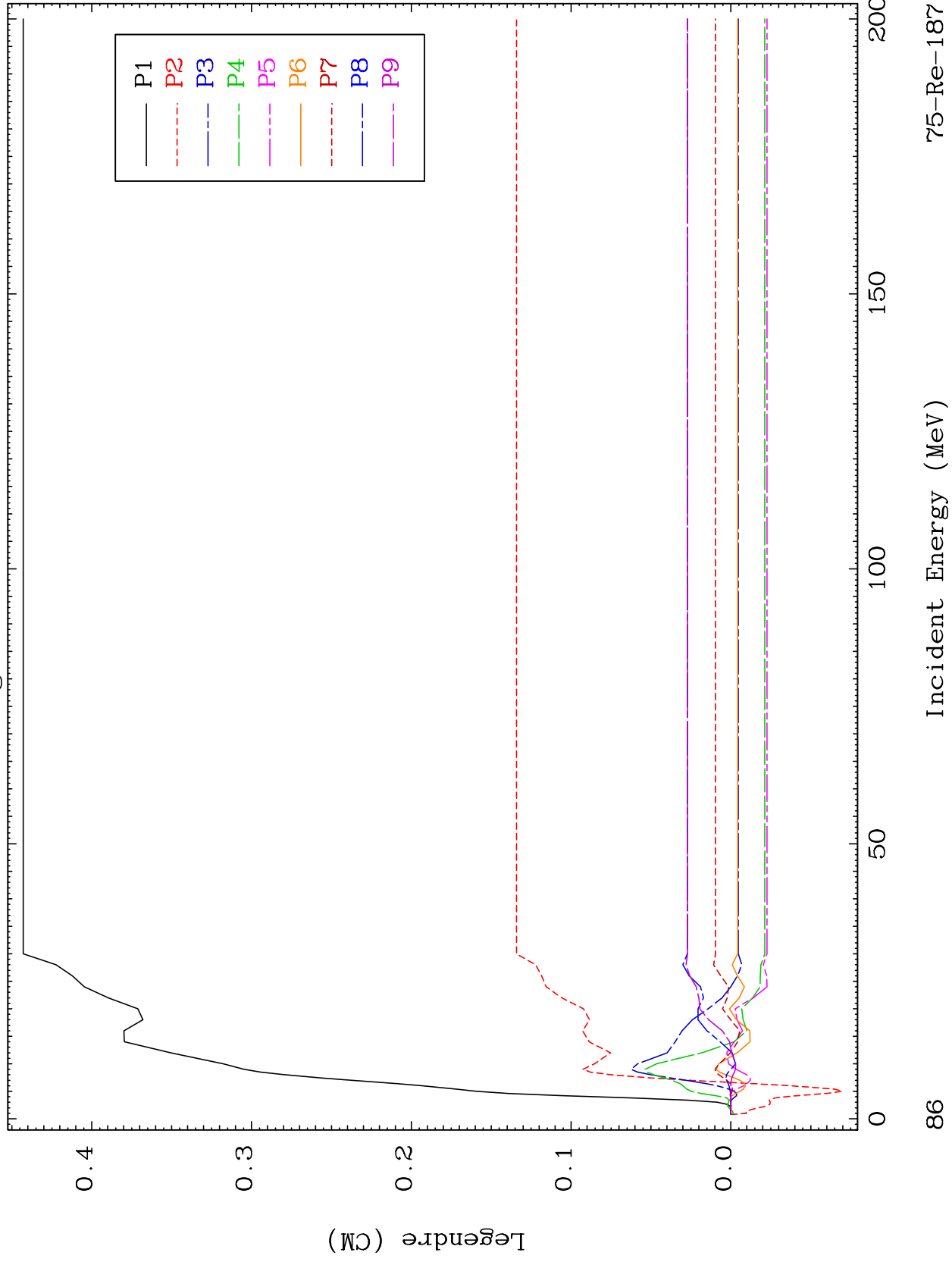




MAT 7531

MT= 68 (n,n') Level
Legendre Coefficients

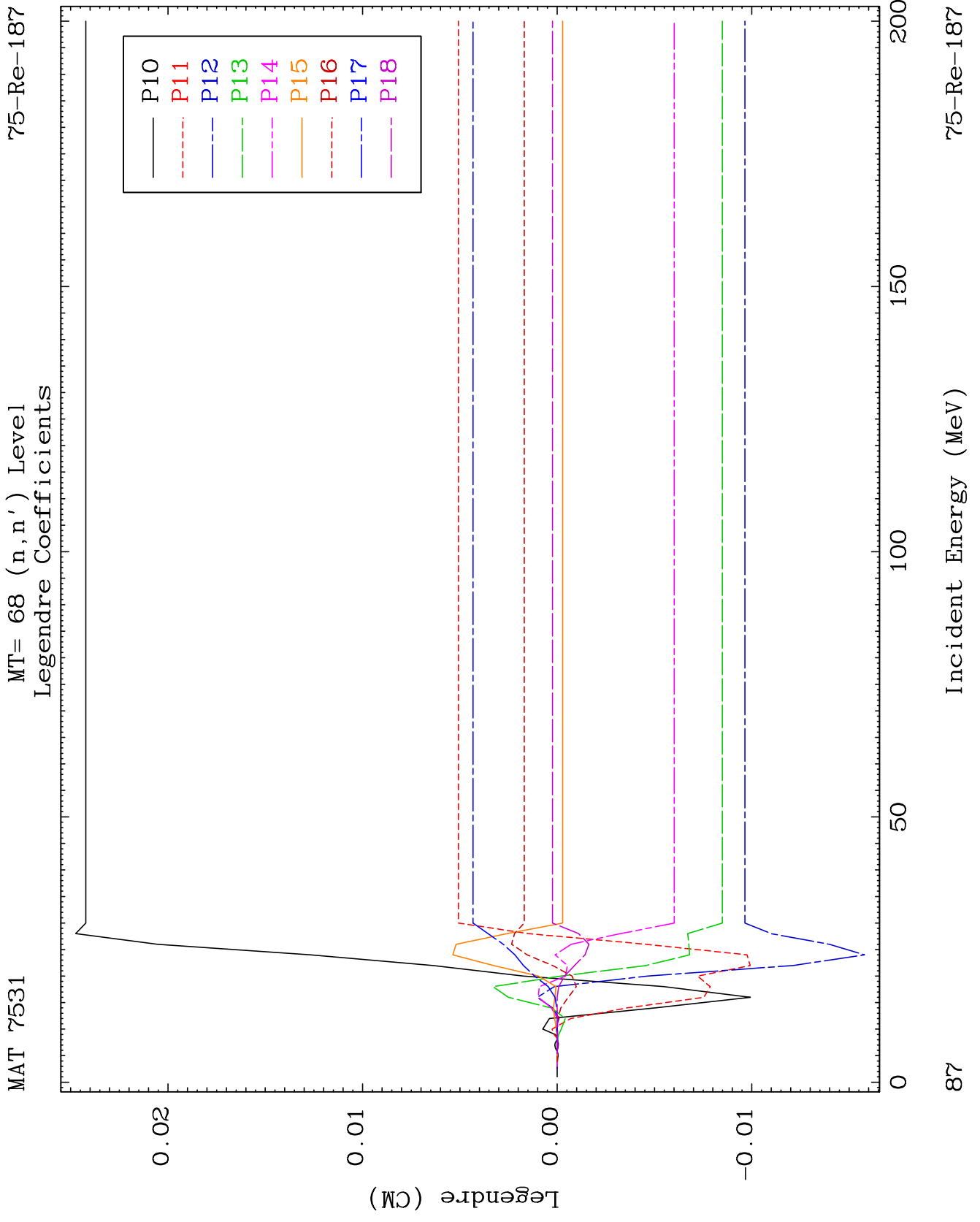
75-Re-187



75-Re-187

Incident Energy (MeV)

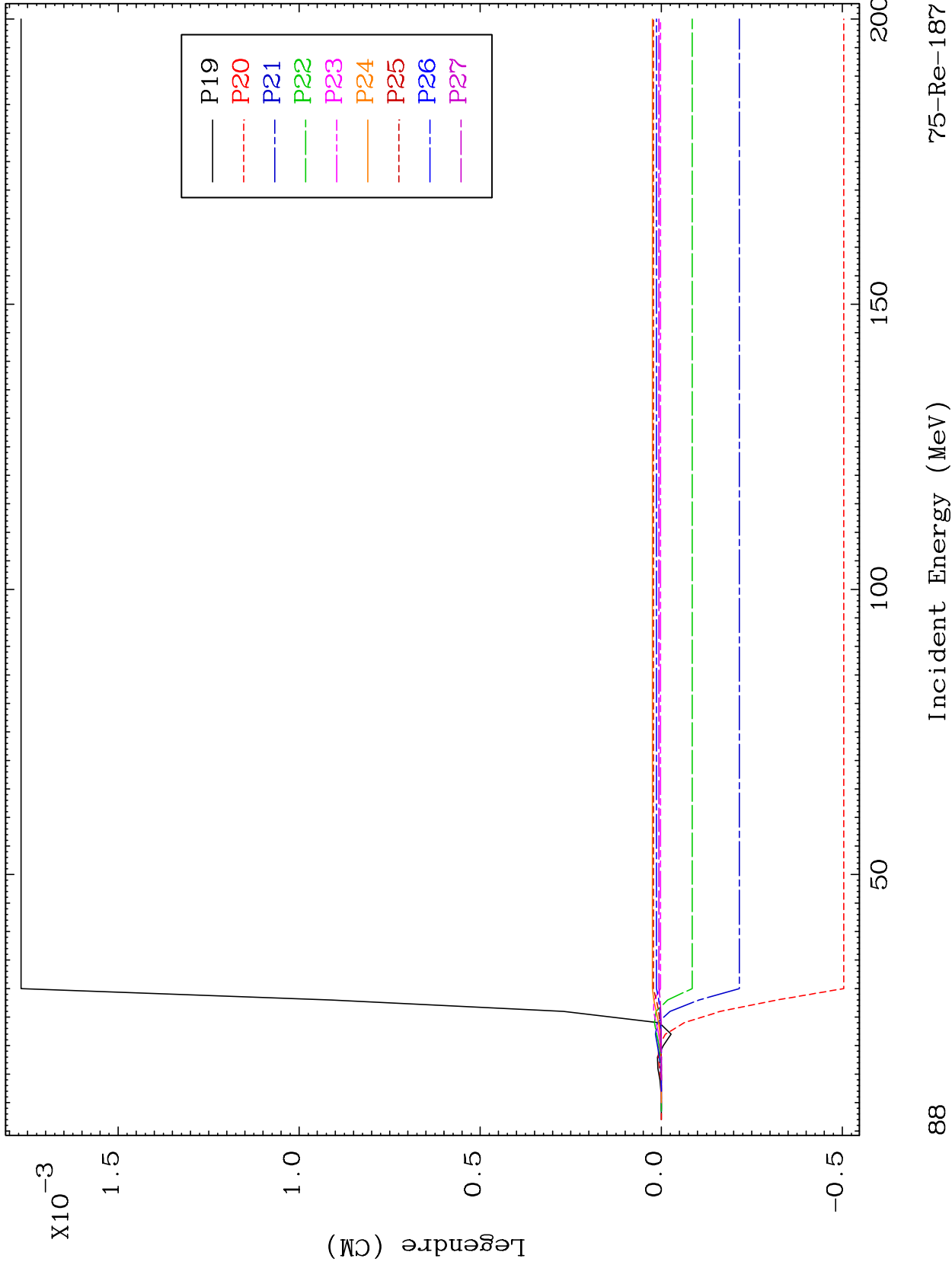
86



MAT 7531

MT= 68 (n,n') Level
Legendre Coefficients

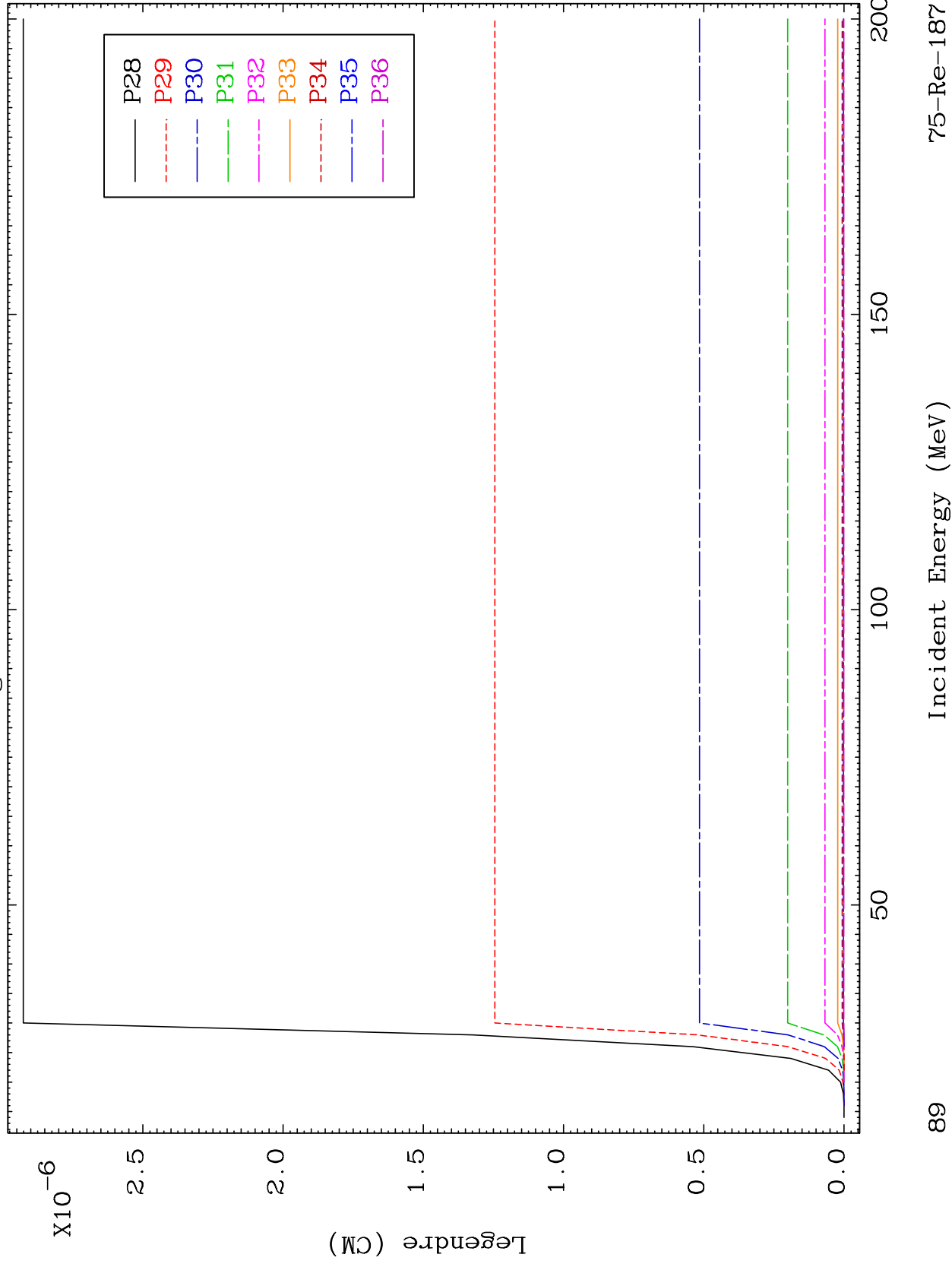
75-Re-187

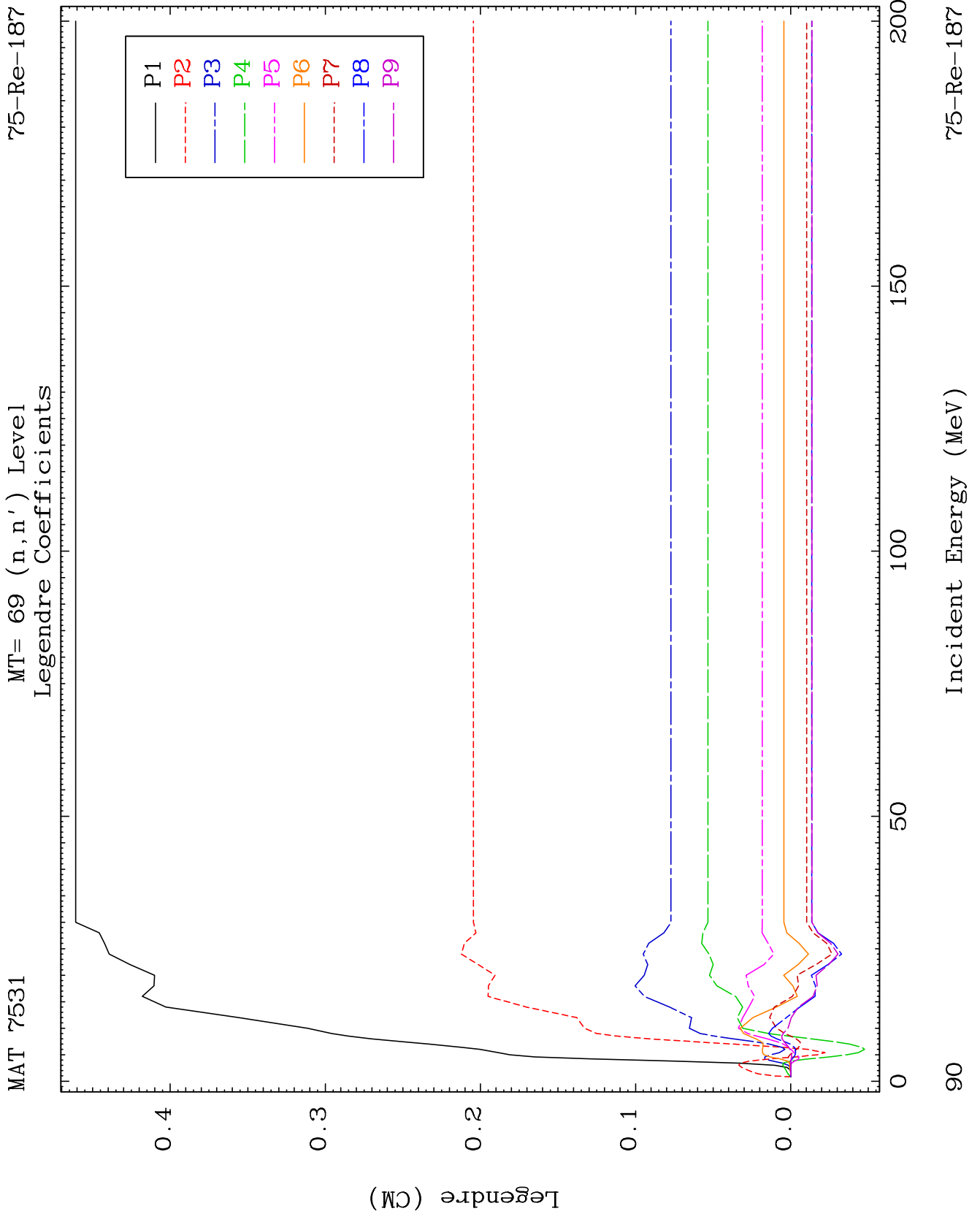


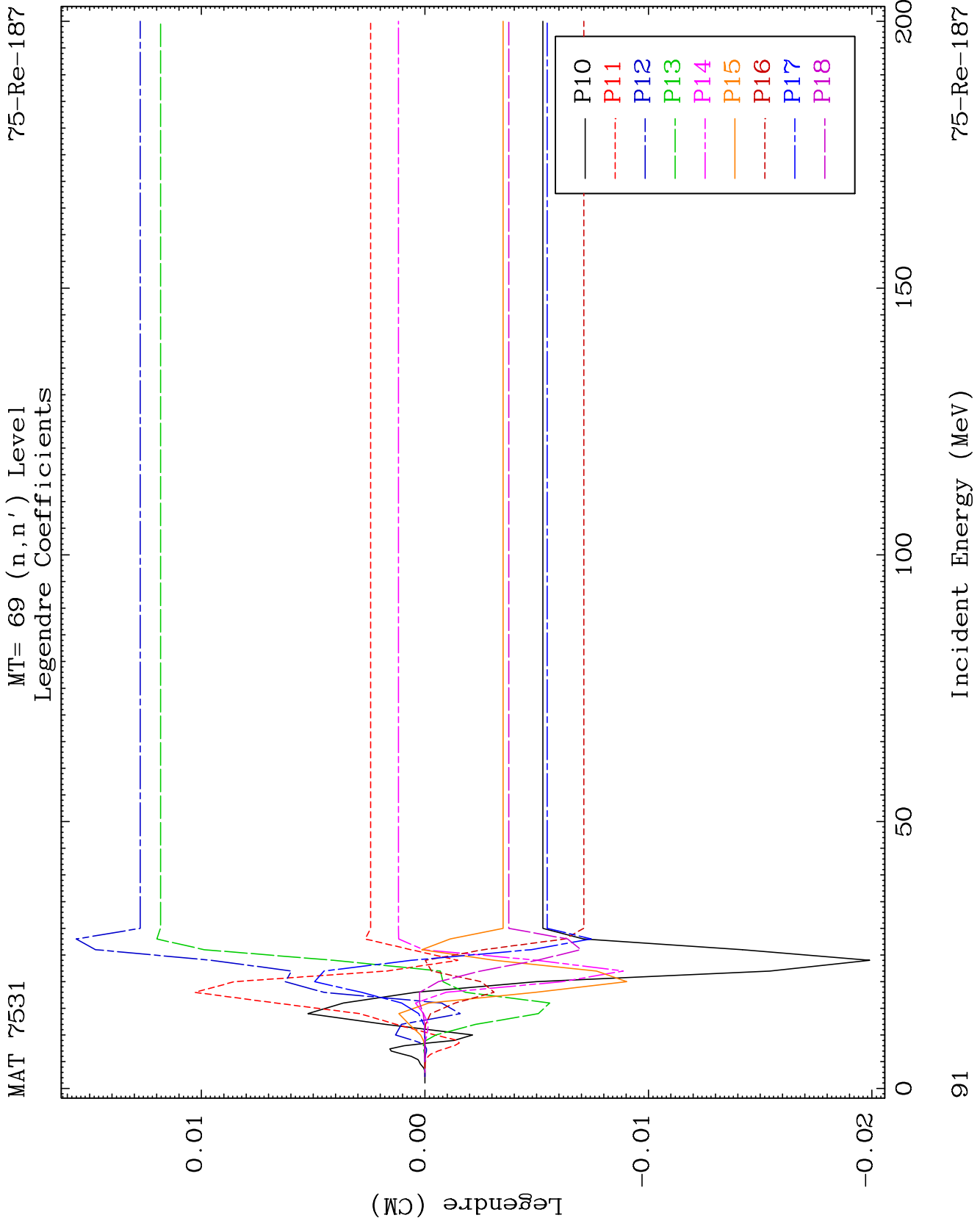
MAT 7531

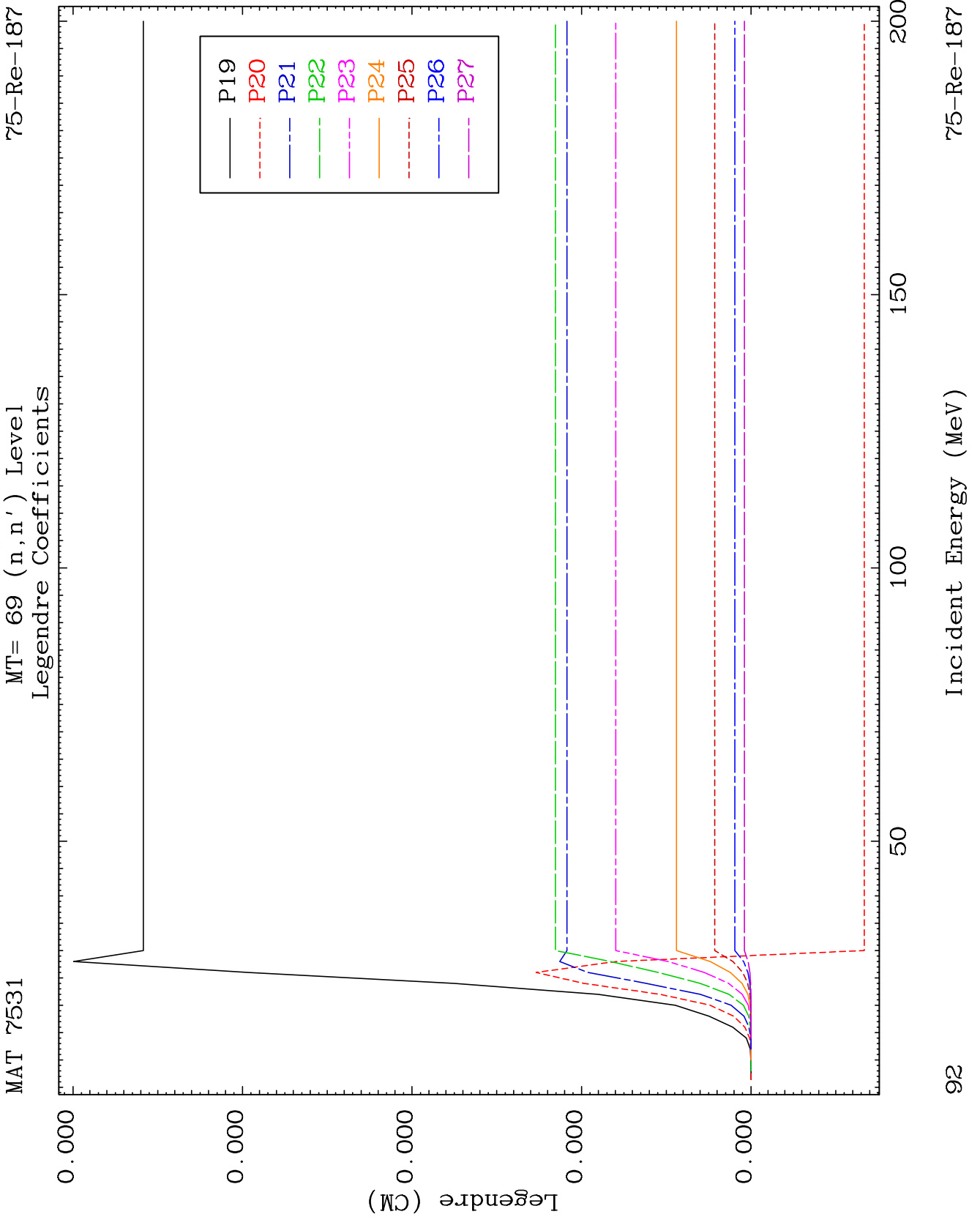
MT= 68 (n,n') Level
Legendre Coefficients

75-Re-187





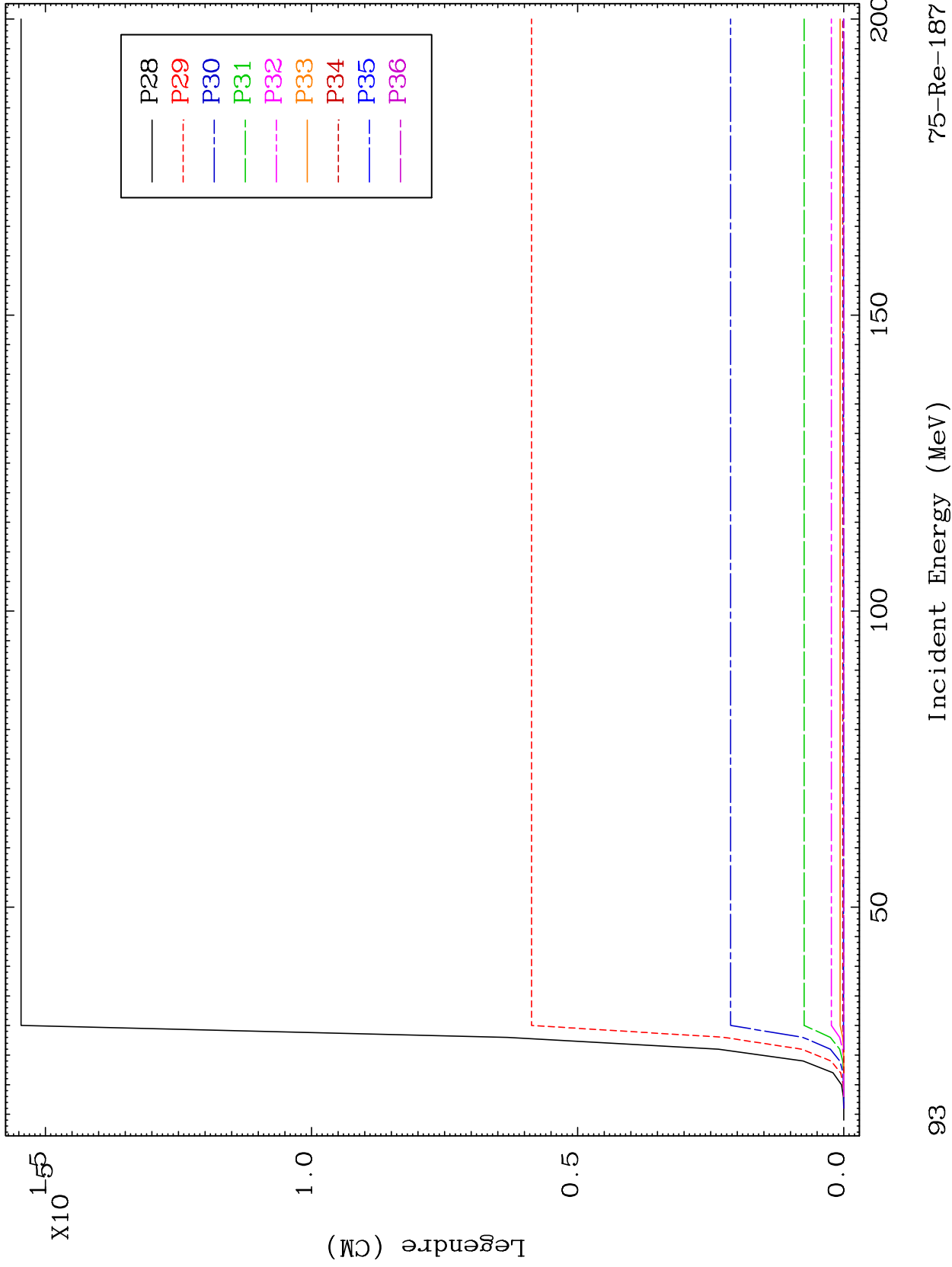




MAT 7531

MT= 69 (n,n') Level
Legendre Coefficients

75-Re-187



93

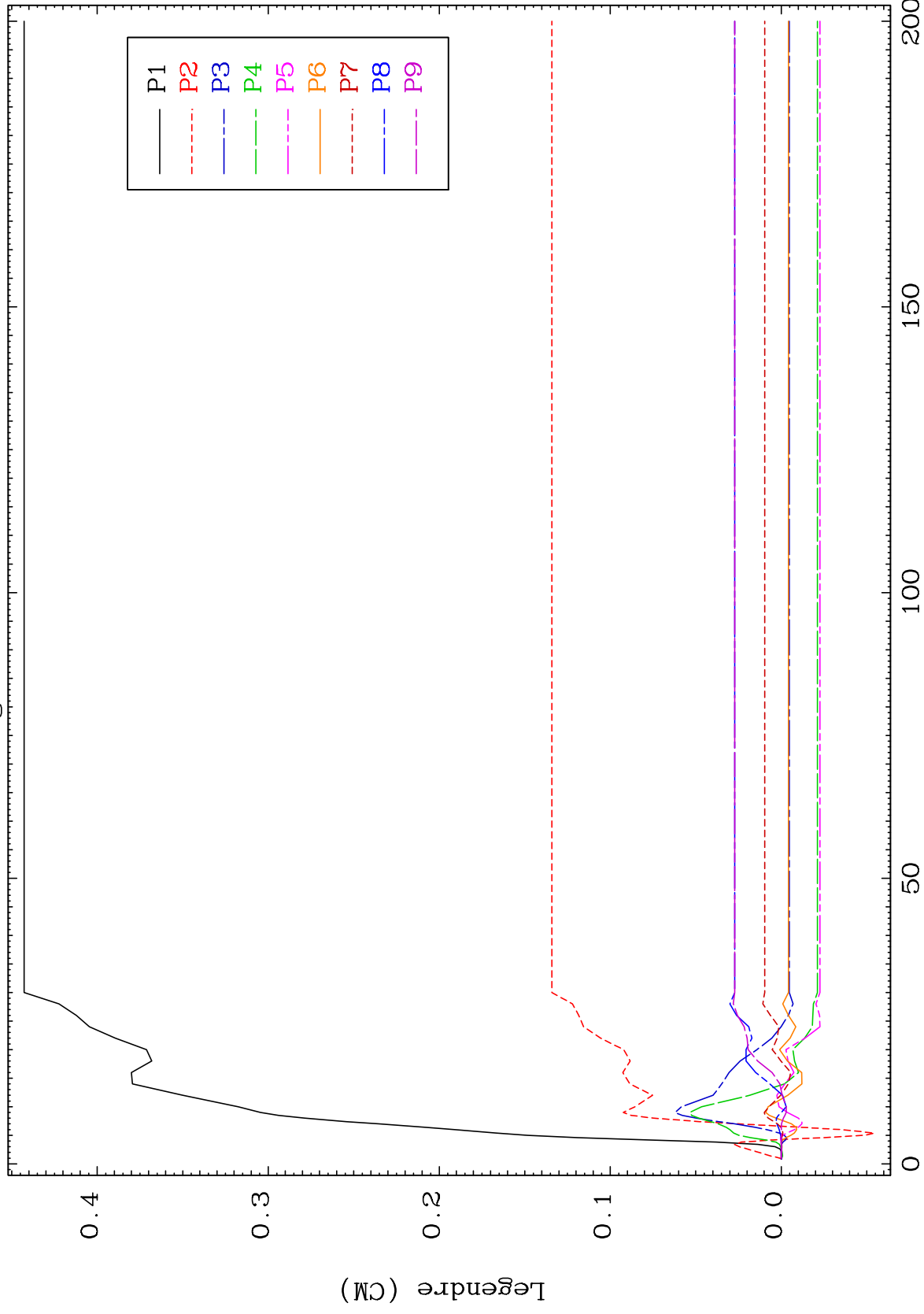
Incident Energy (MeV)

75-Re-187

MAT 7531

MT= 70 (n,n') Level
Legendre Coefficients

75-Re-187



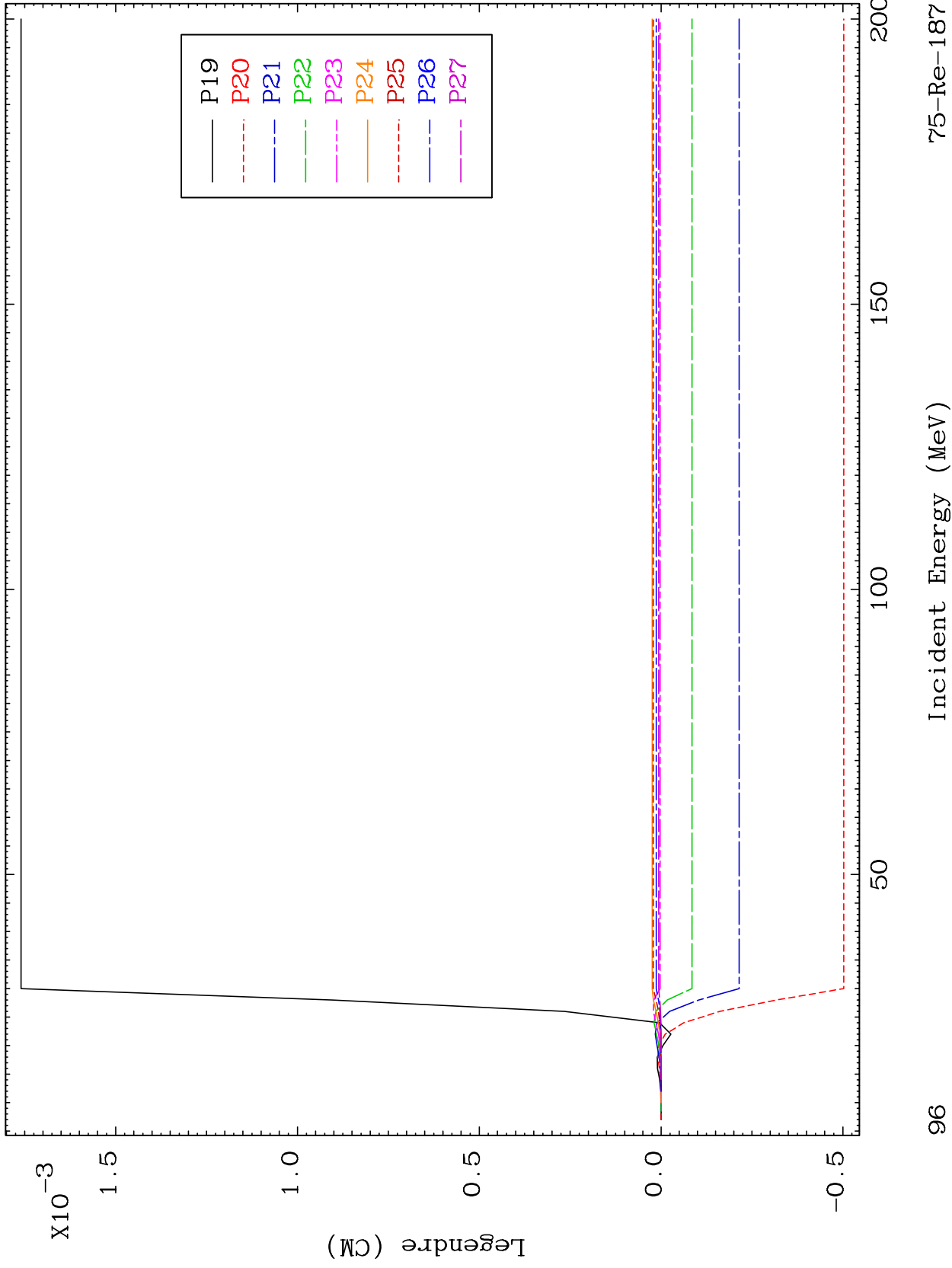
94

75-Re-187

MAT 7531

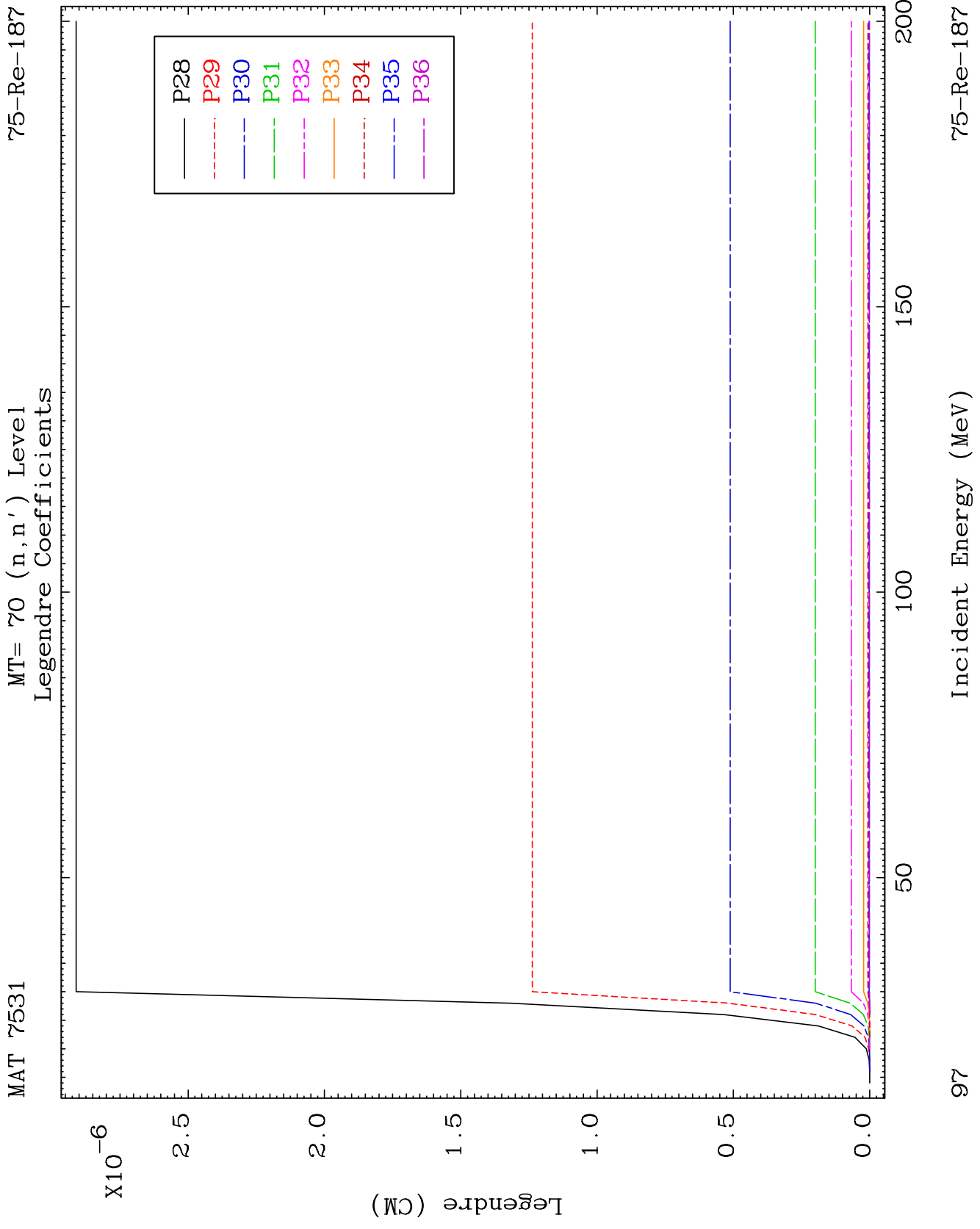
MT= 70 (n,n') Level
Legendre Coefficients

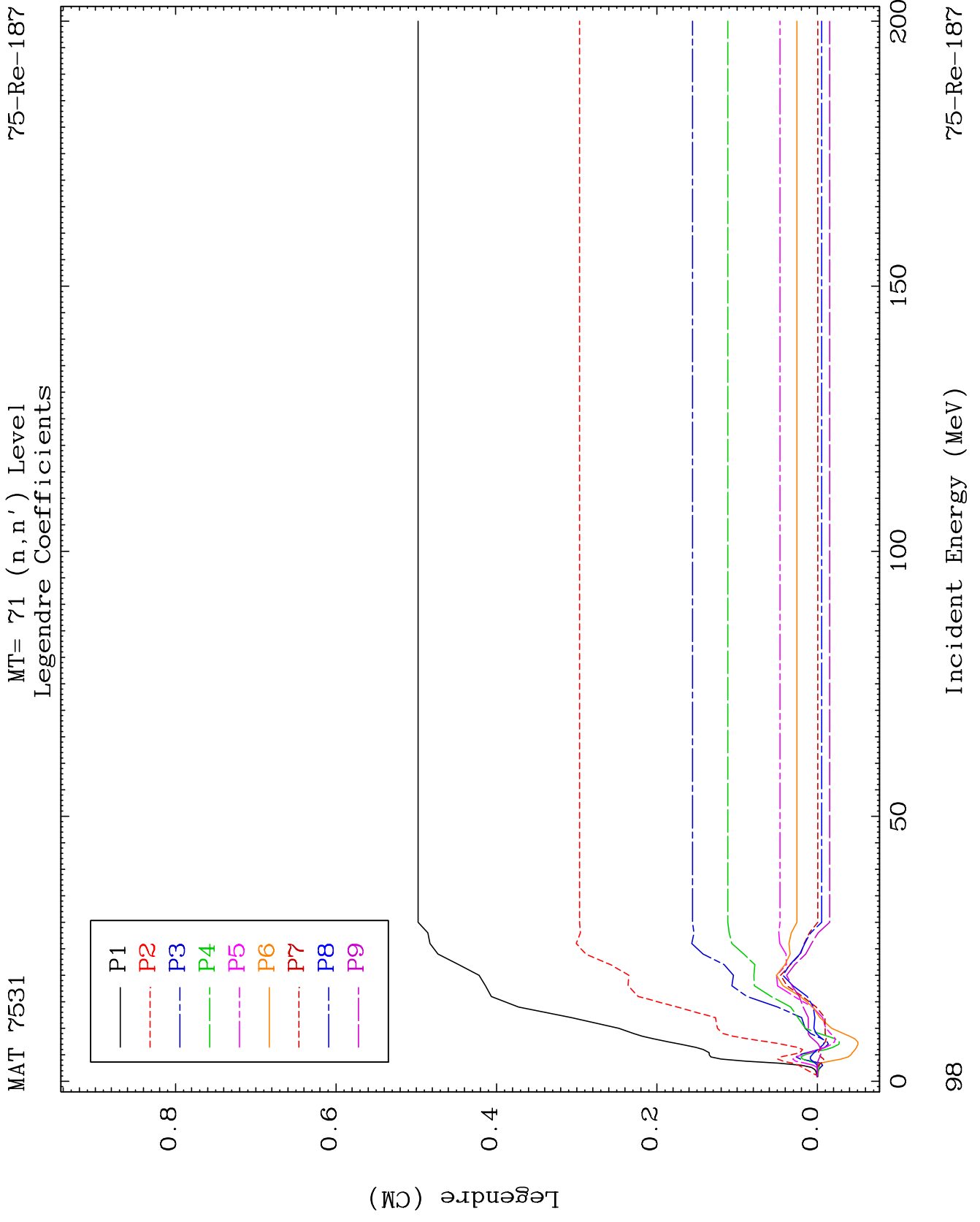
75-Re-187

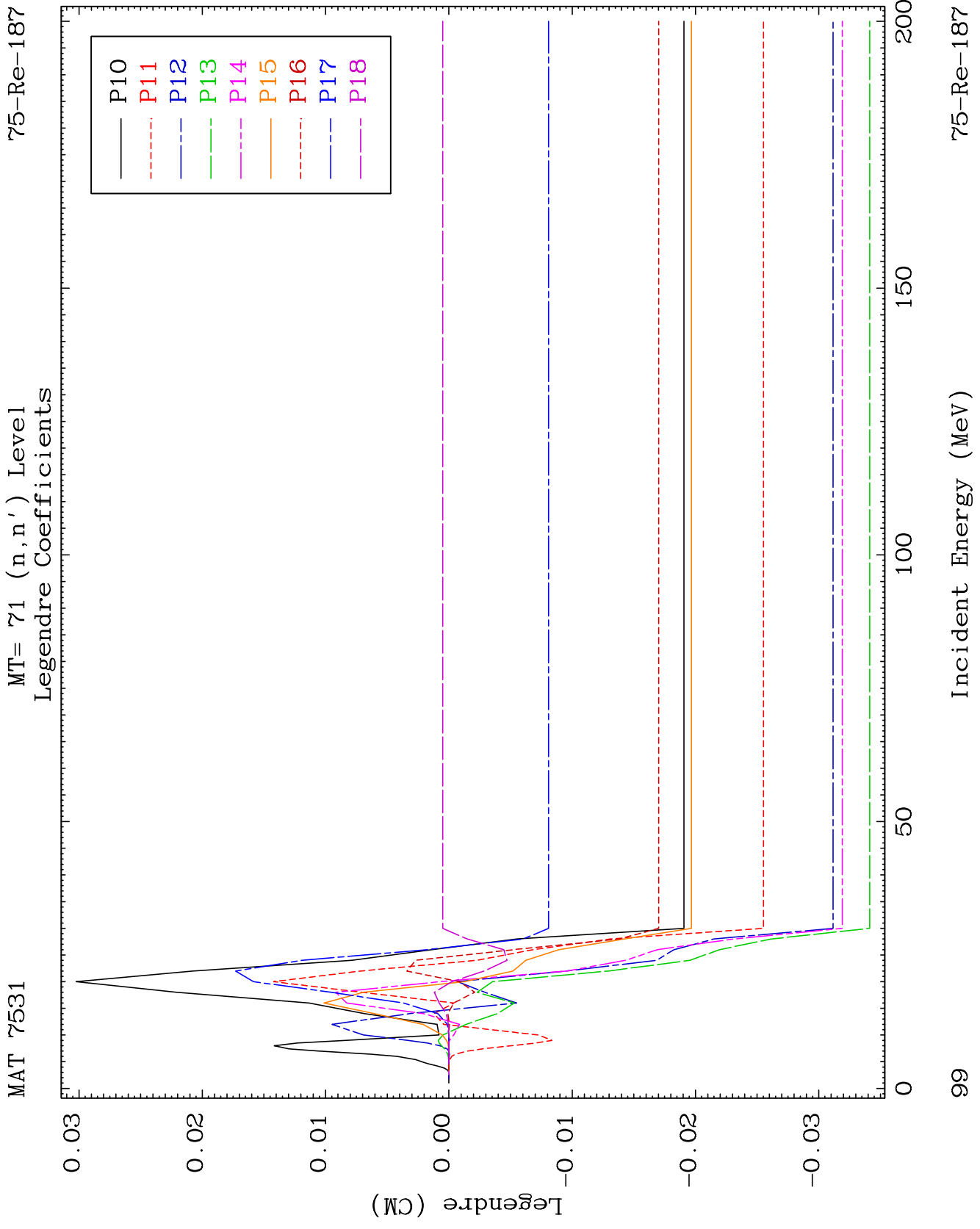


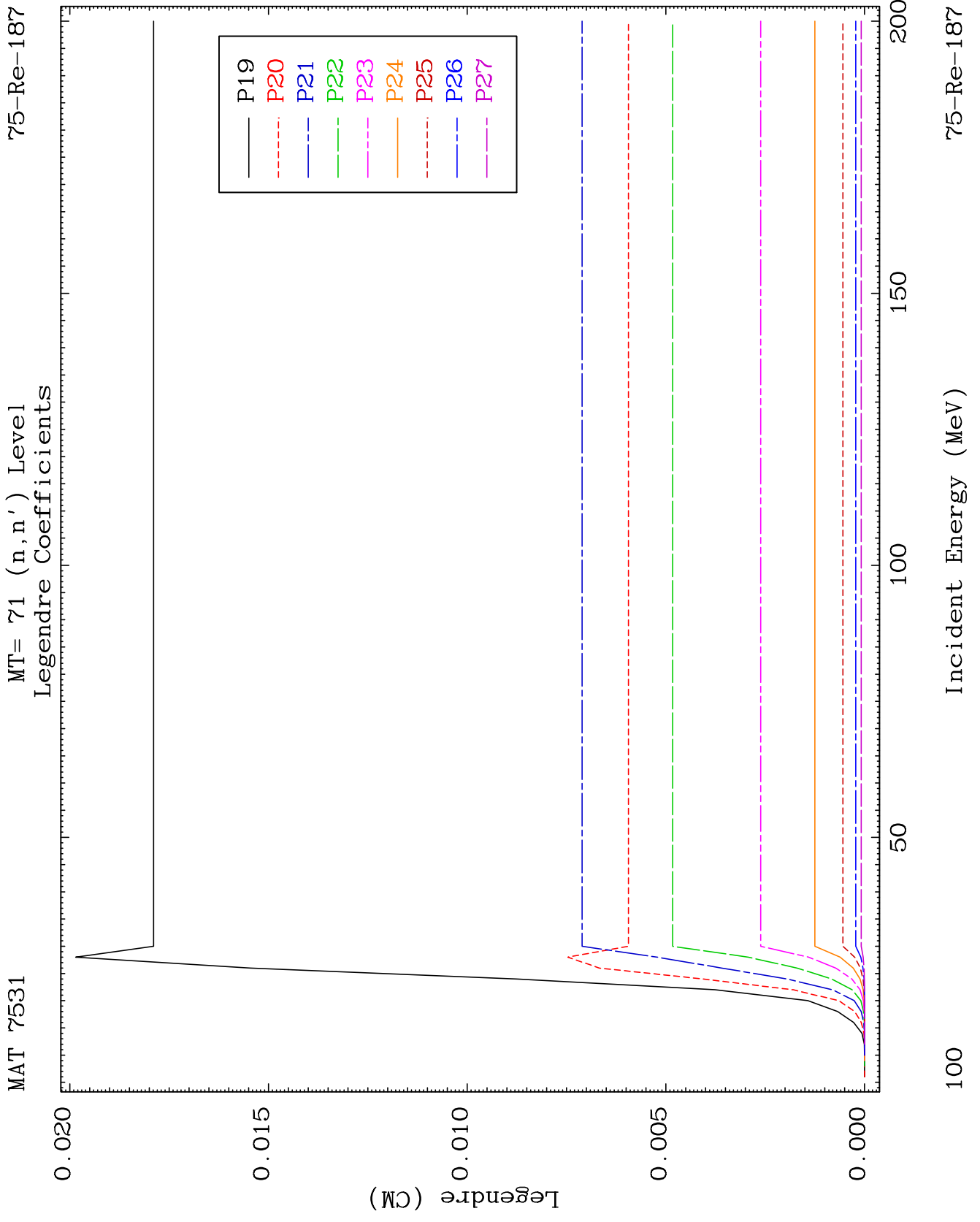
96

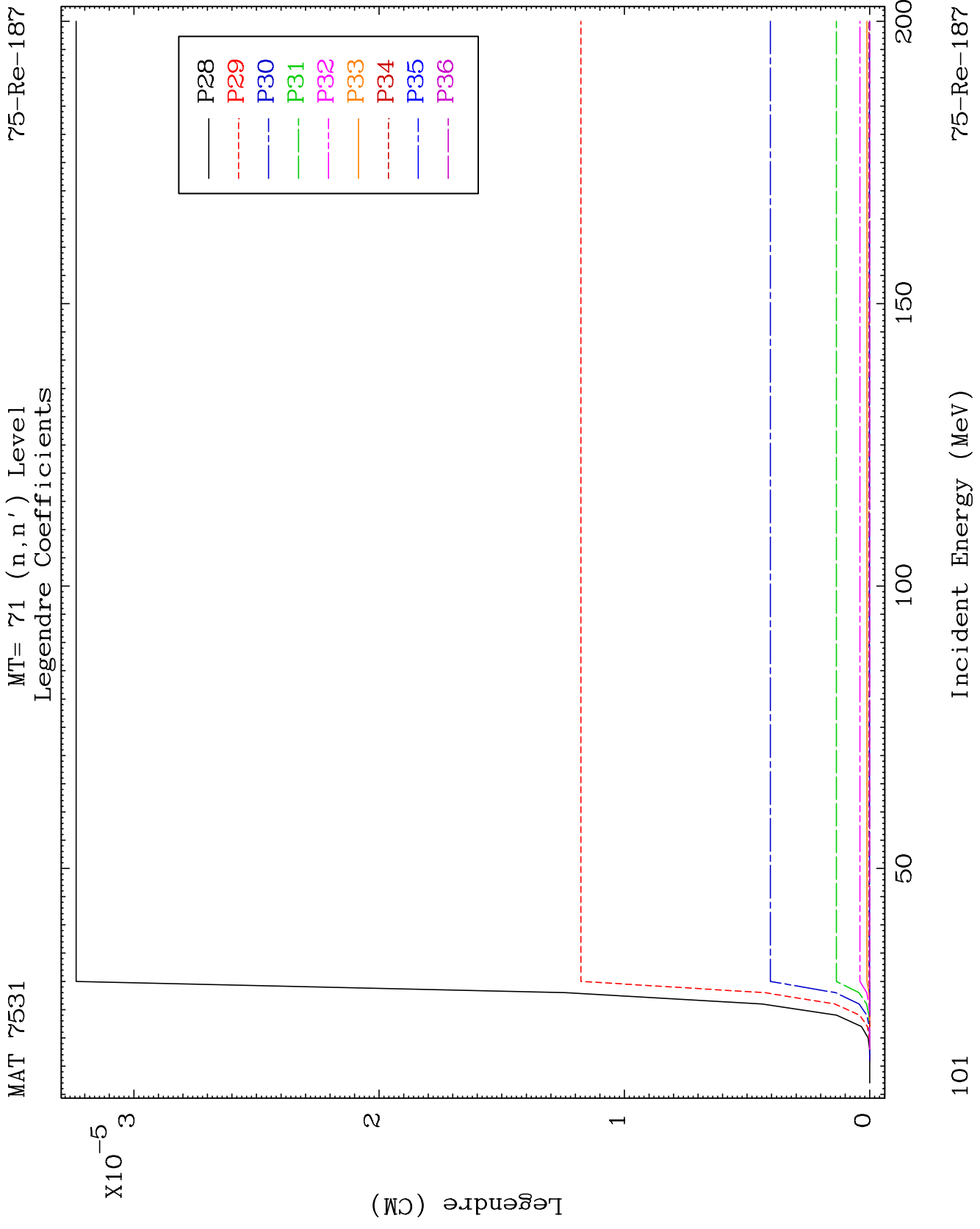
75-Re-187







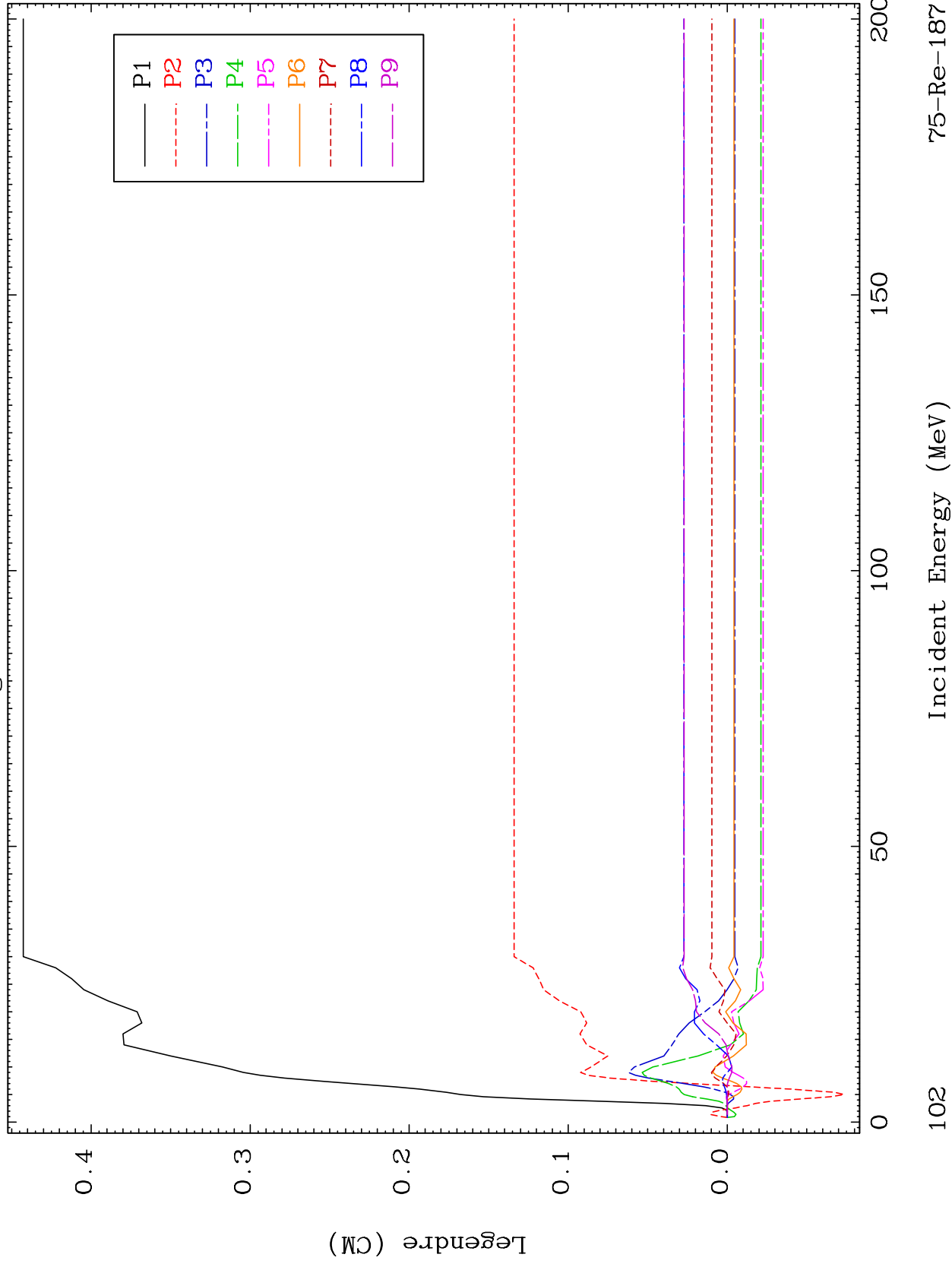




MAT 7531

MT= 72 (n,n') Level
Legendre Coefficients

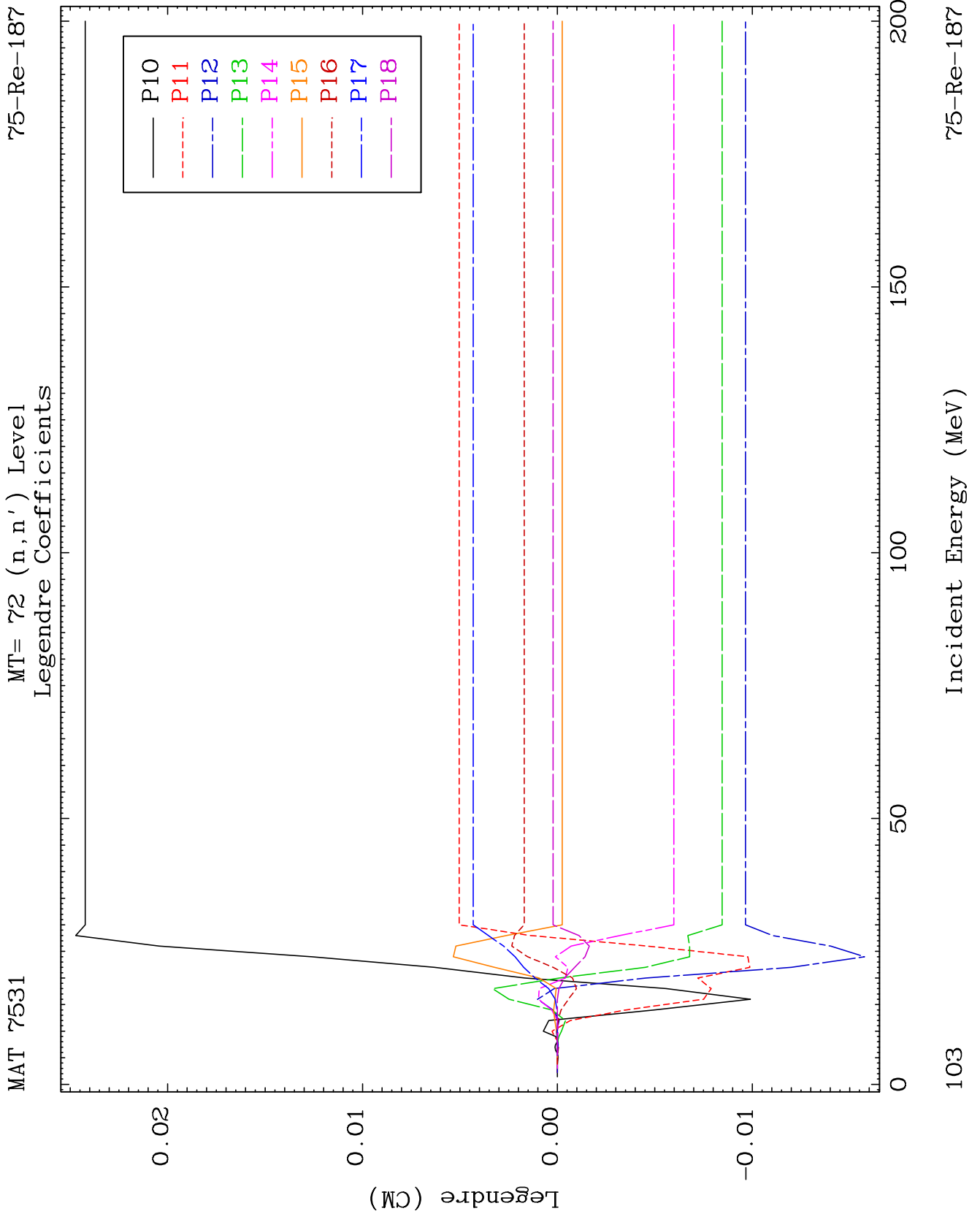
75-Re-187



75-Re-187

Incident Energy (MeV)

102



75-Re-187

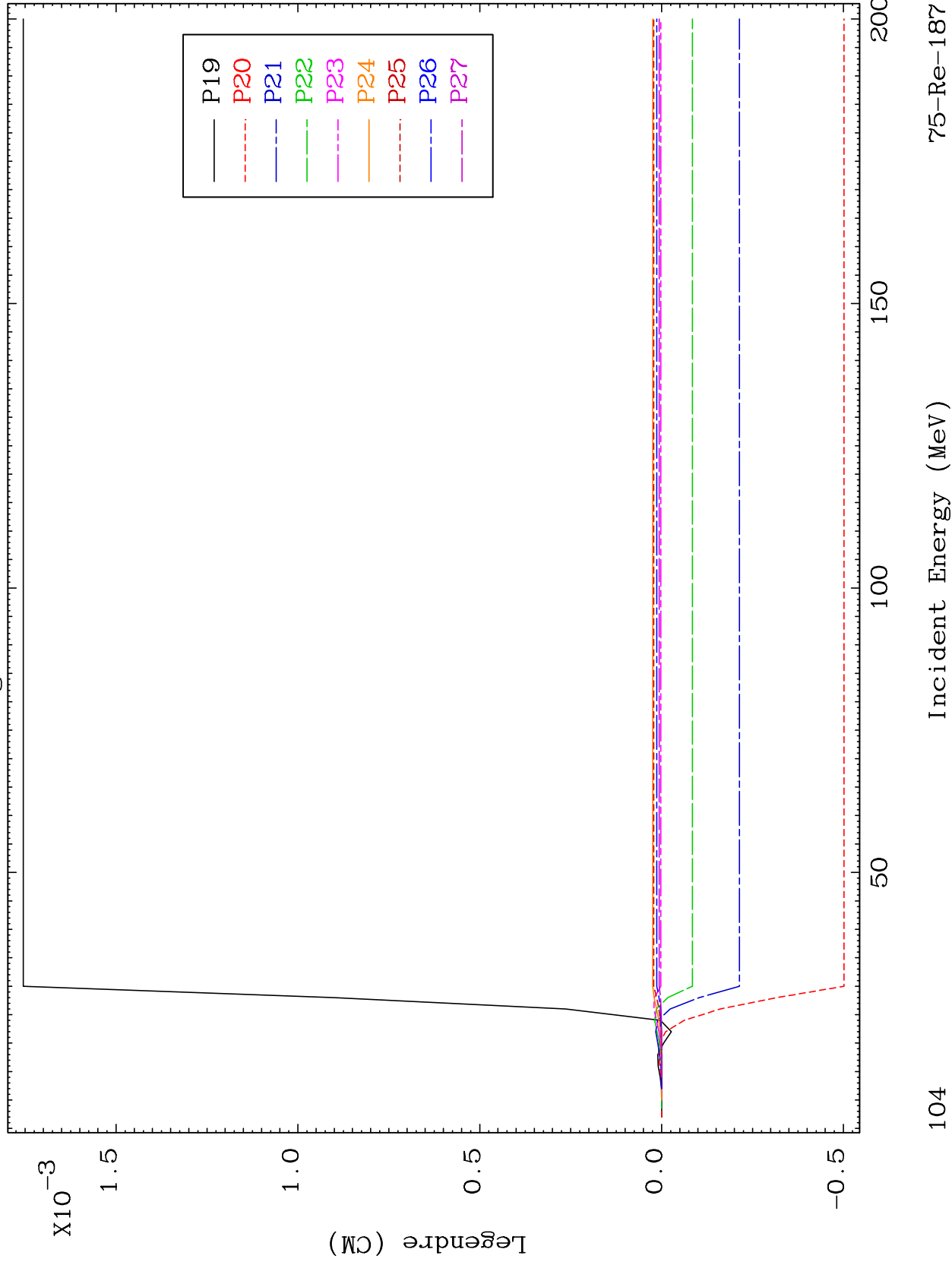
Incident Energy (MeV)

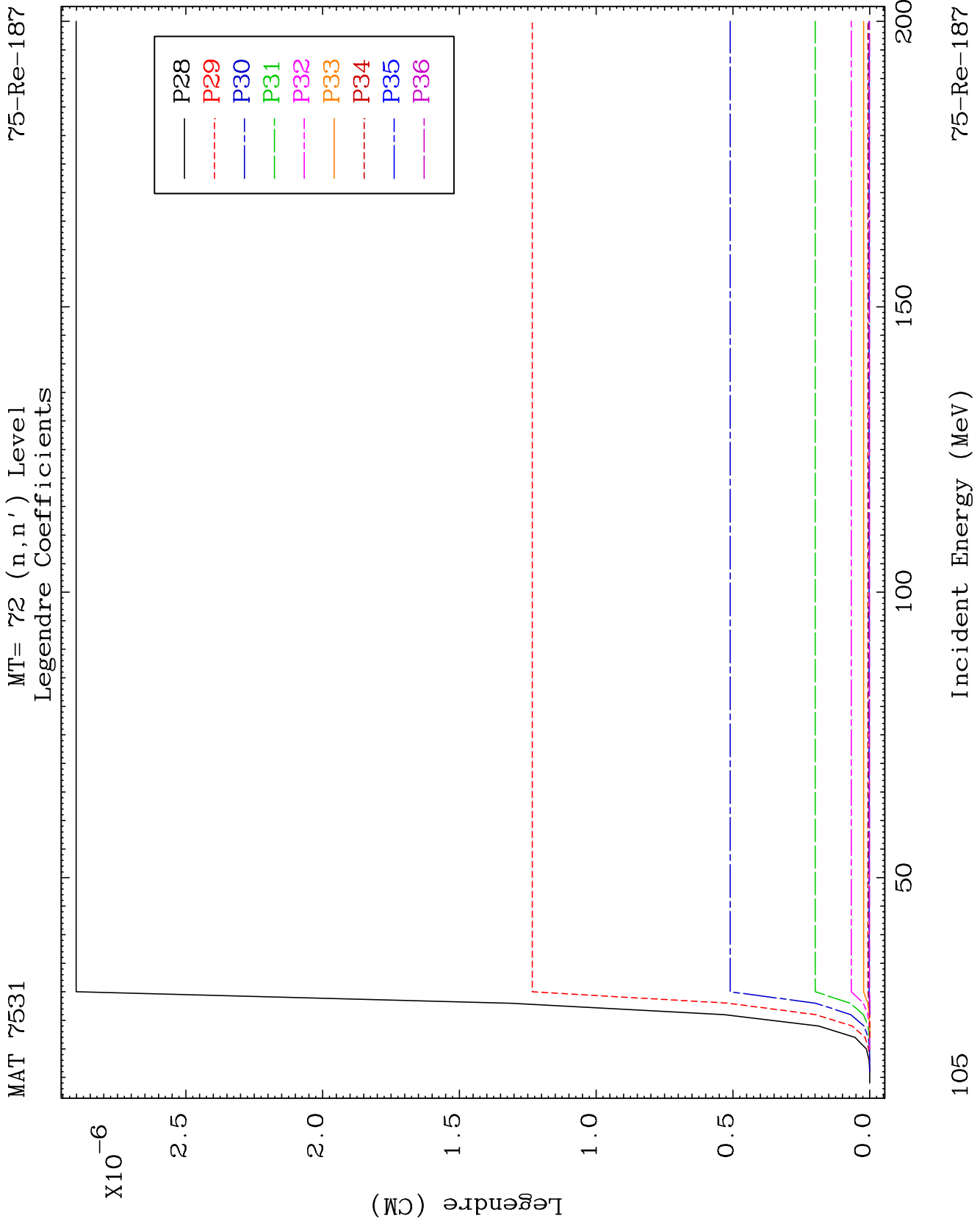
103

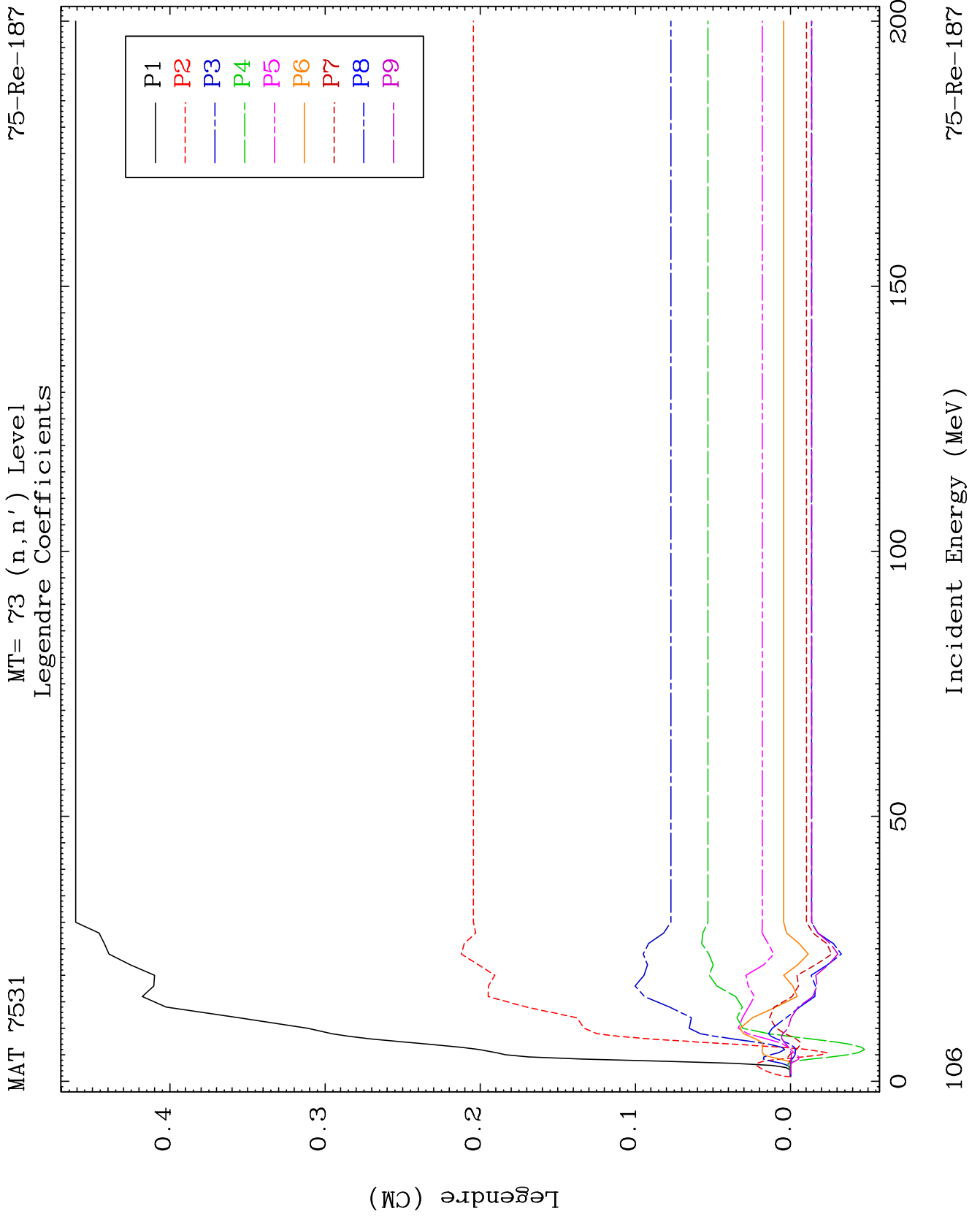
MAT 7531

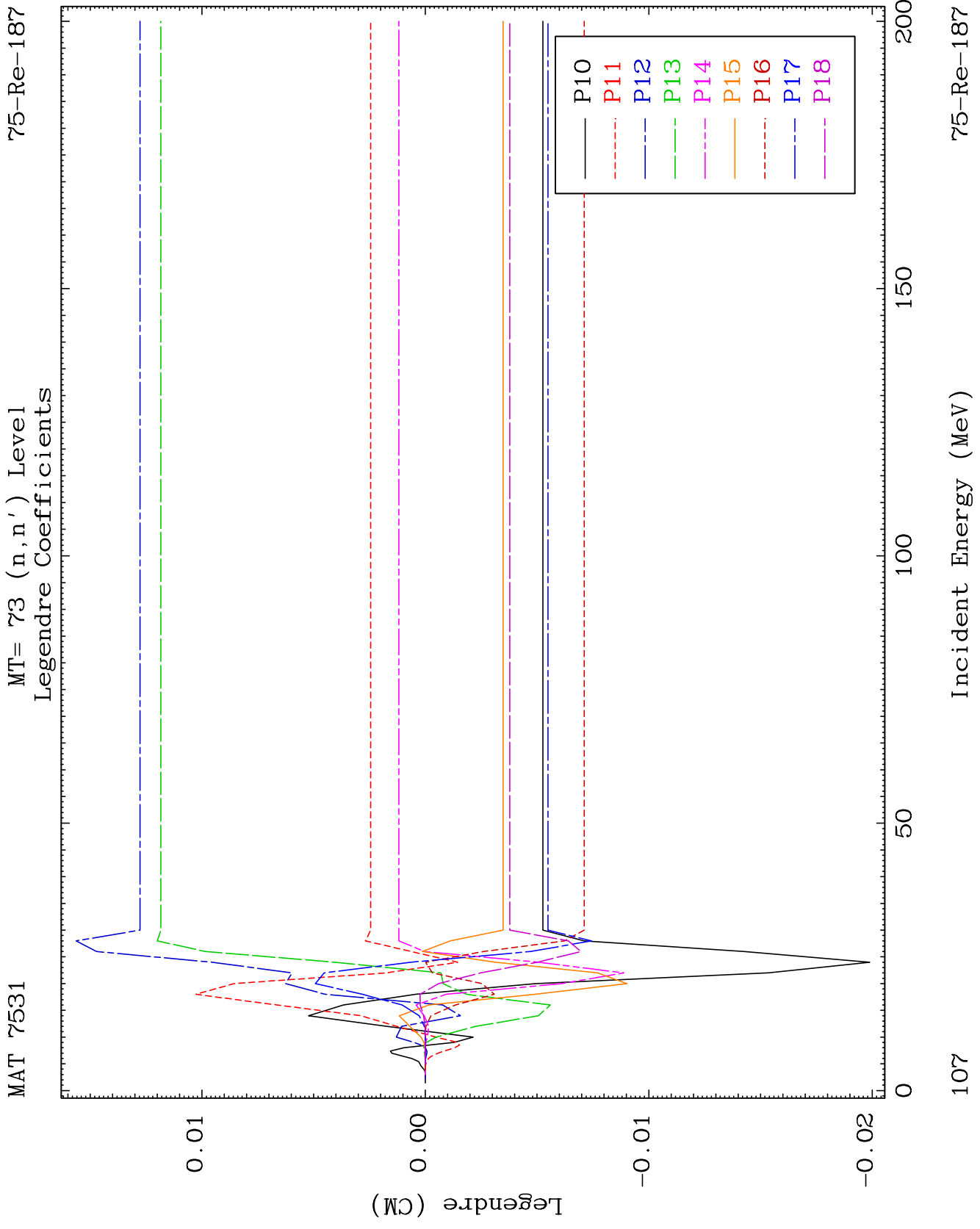
MT= 72 (n,n') Level
Legendre Coefficients

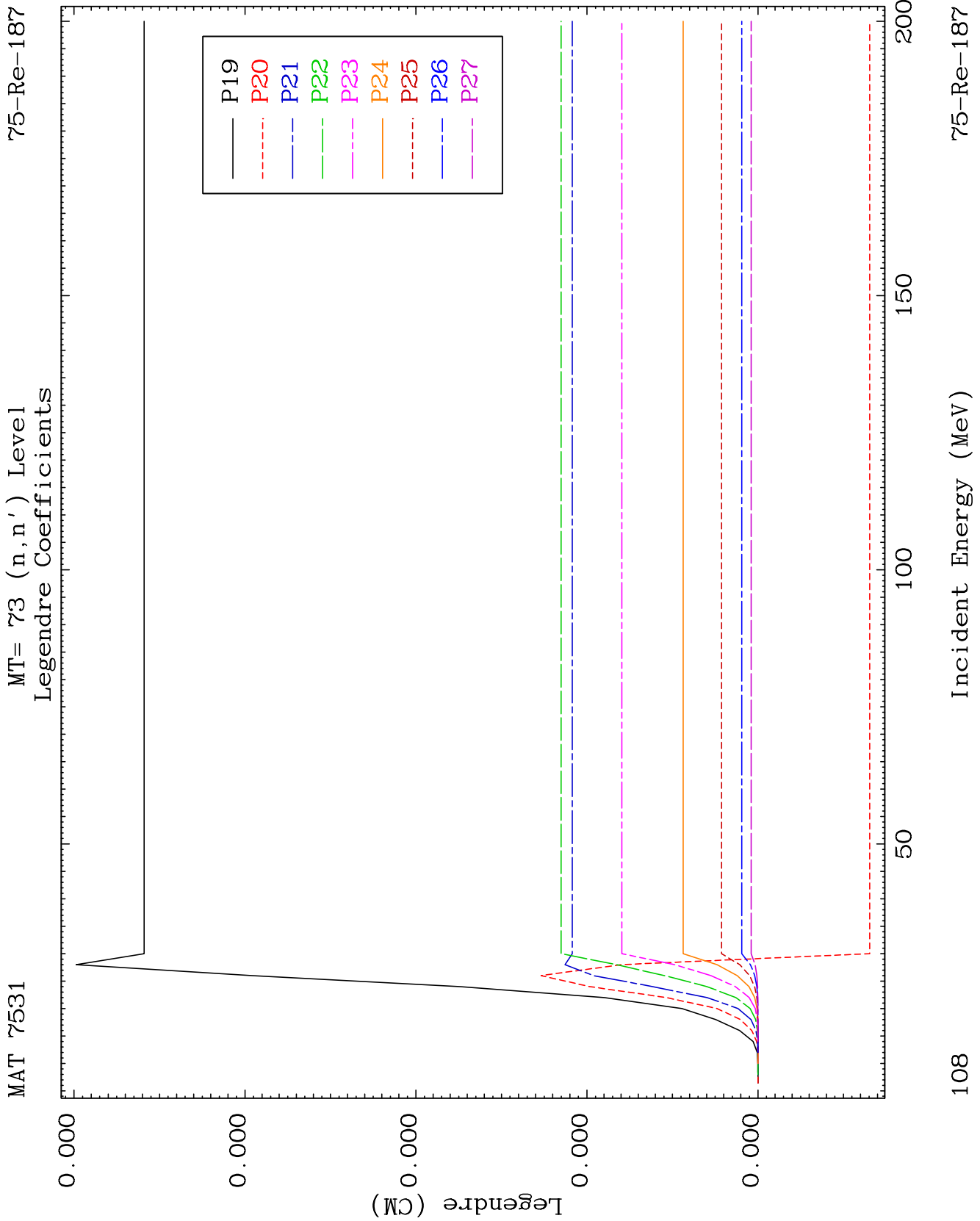
75-Re-187







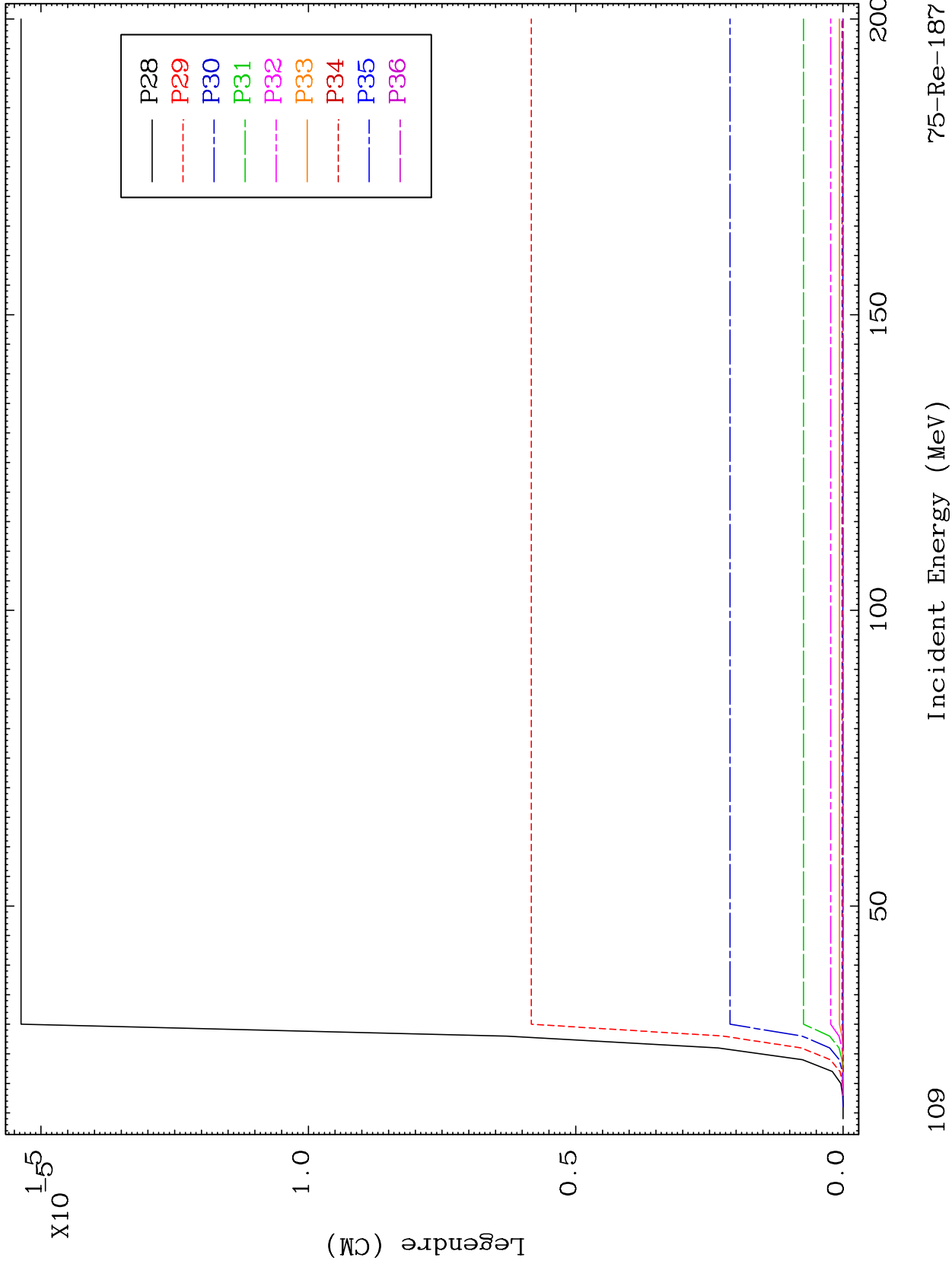




MAT 7531

MT= 73 (n,n') Level
Legendre Coefficients

75-Re-187



109

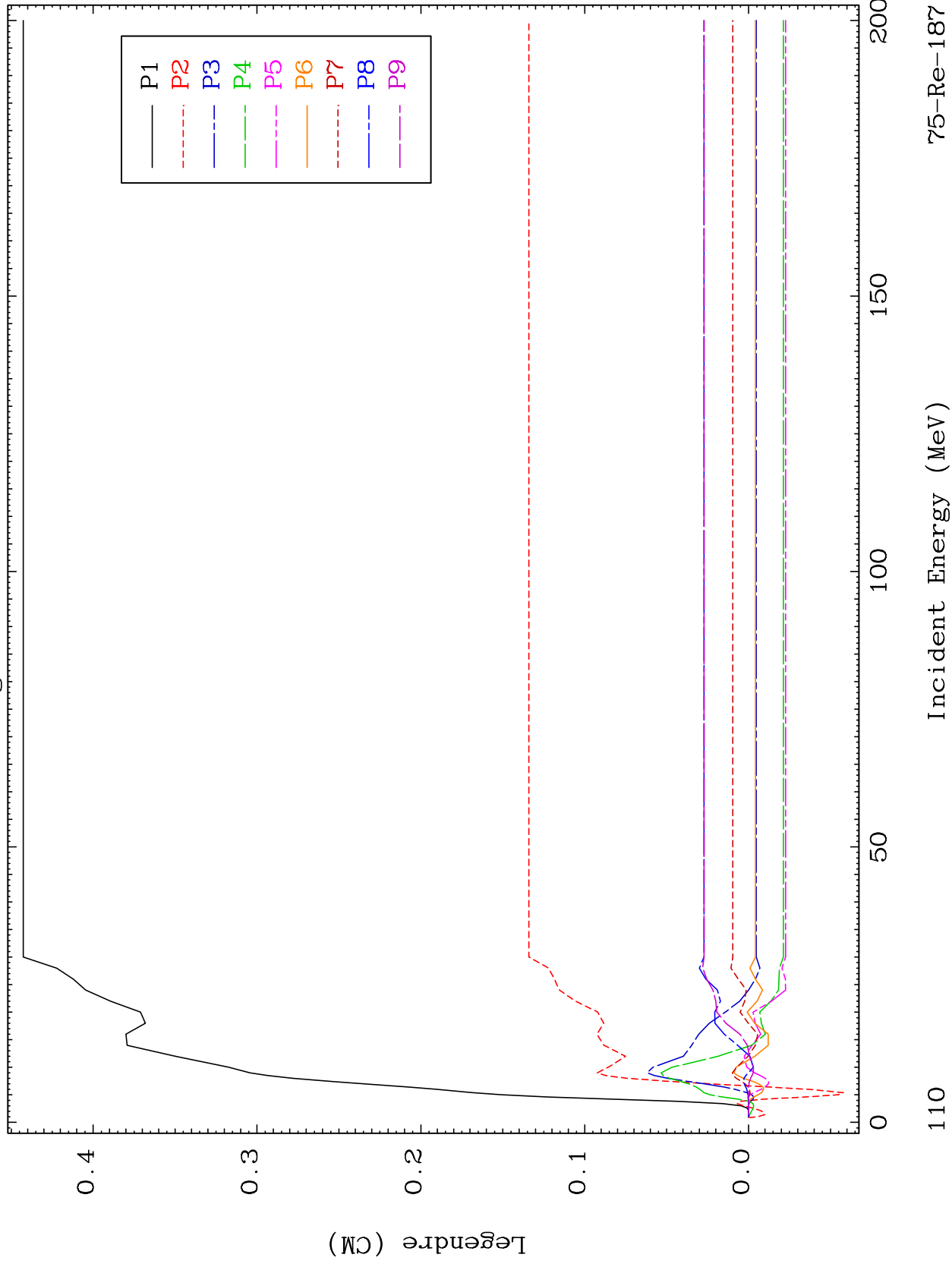
Incident Energy (MeV)

75-Re-187

MAT 7531

MT= 74 (n,n') Level
Legendre Coefficients

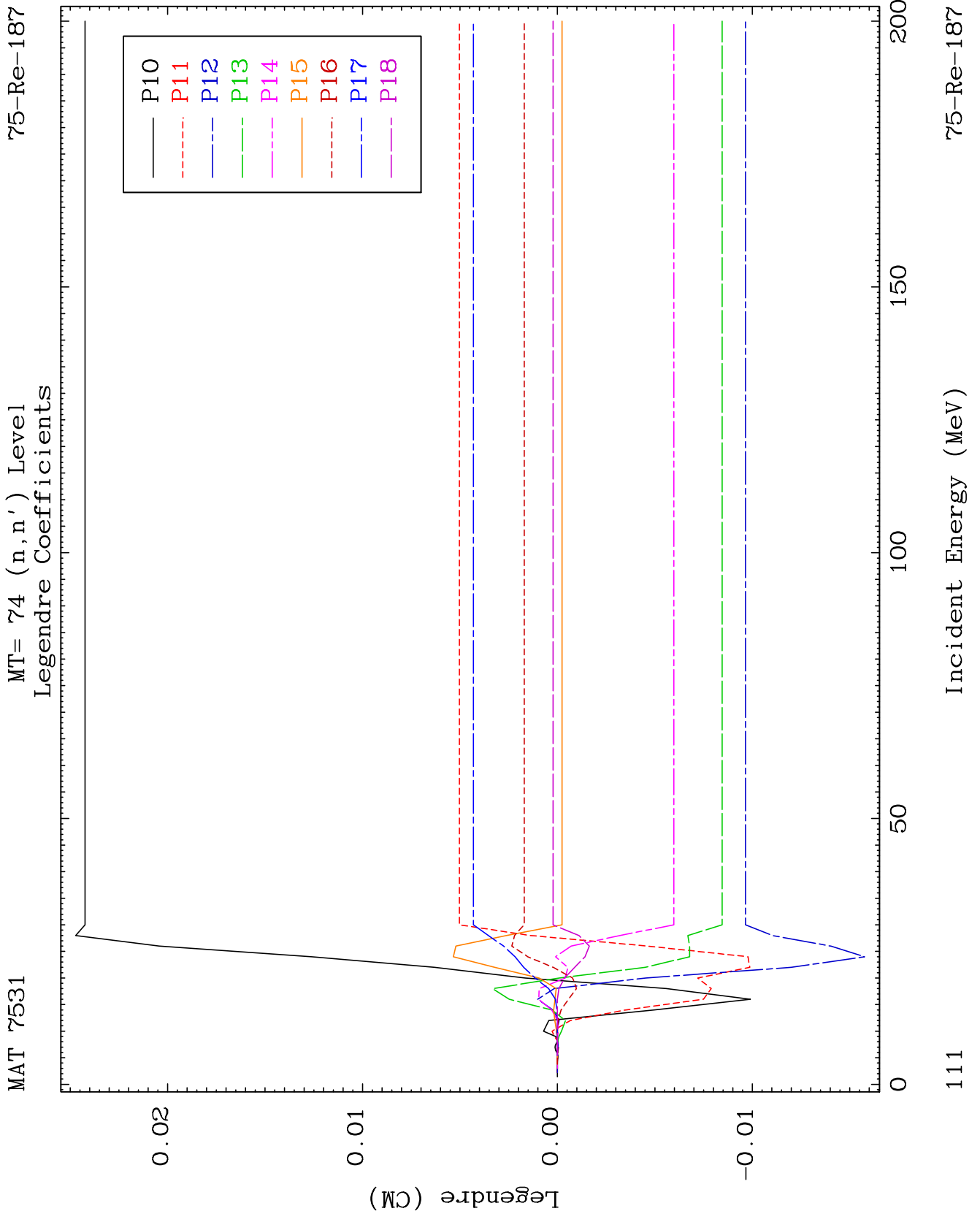
75-Re-187



75-Re-187

Incident Energy (MeV)

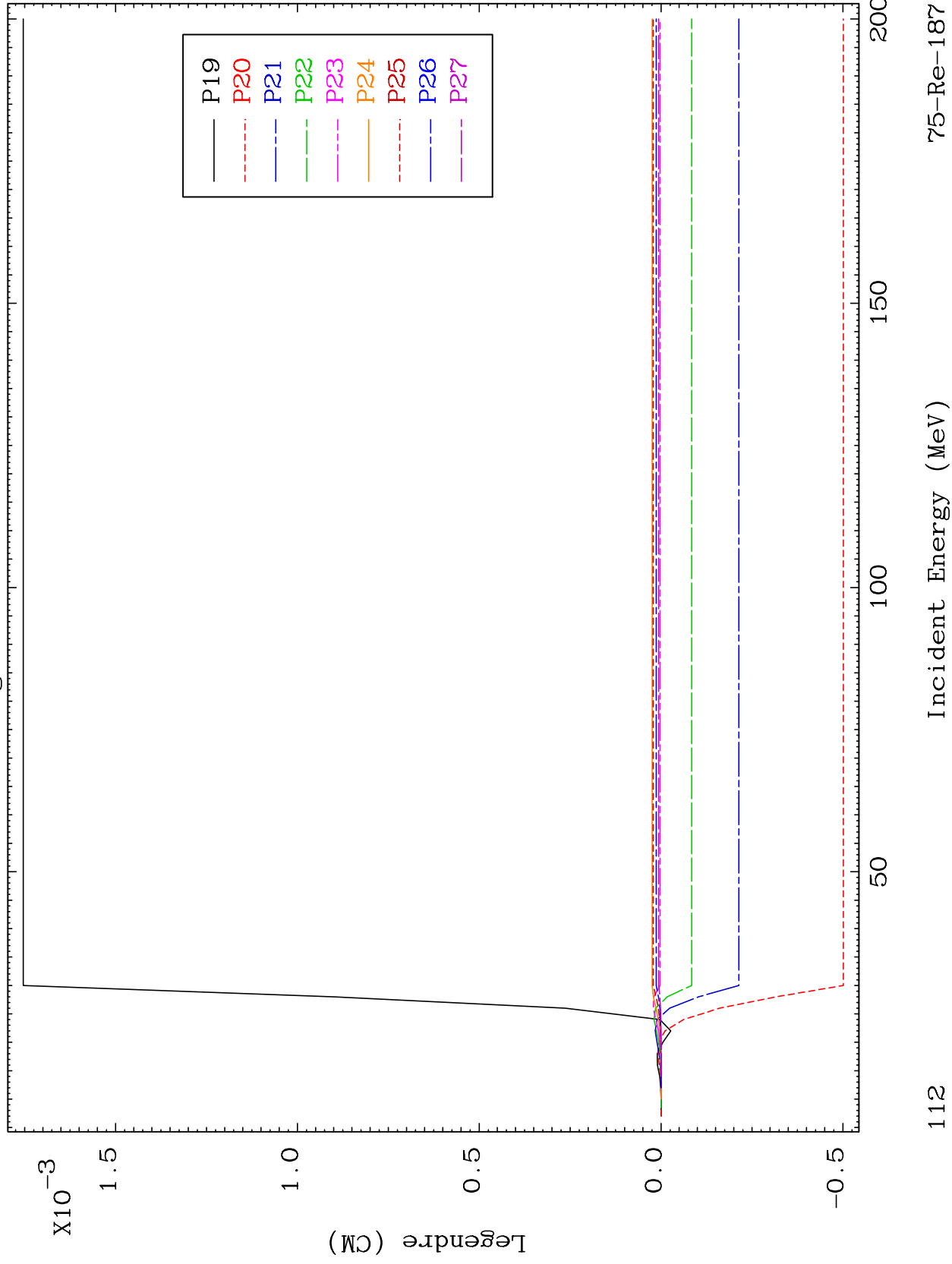
110



MAT 7531

MT= 74 (n,n') Level
Legendre Coefficients

75-Re-187



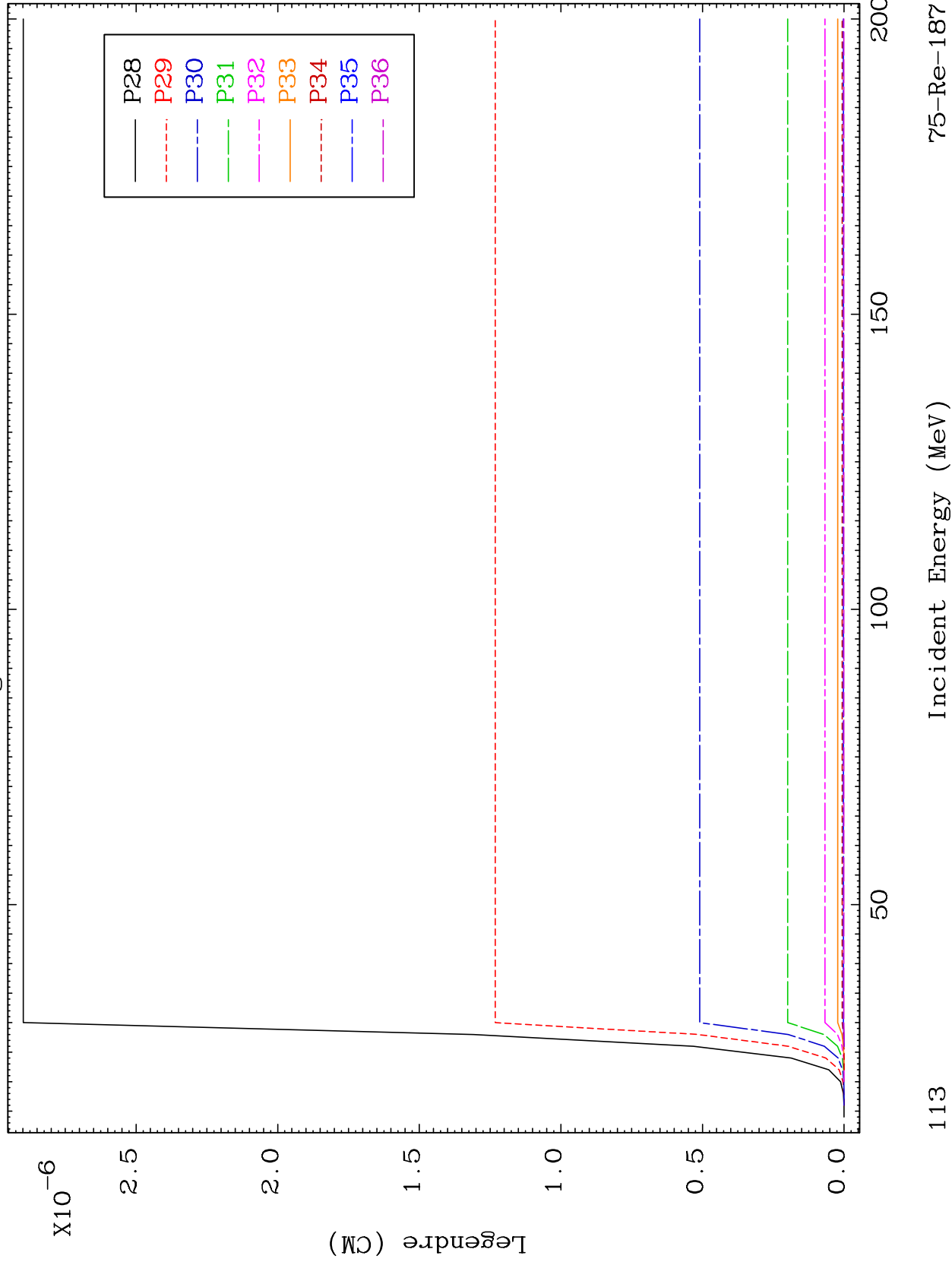
112

75-Re-187

MAT 7531

MT= 74 (n,n') Level
Legendre Coefficients

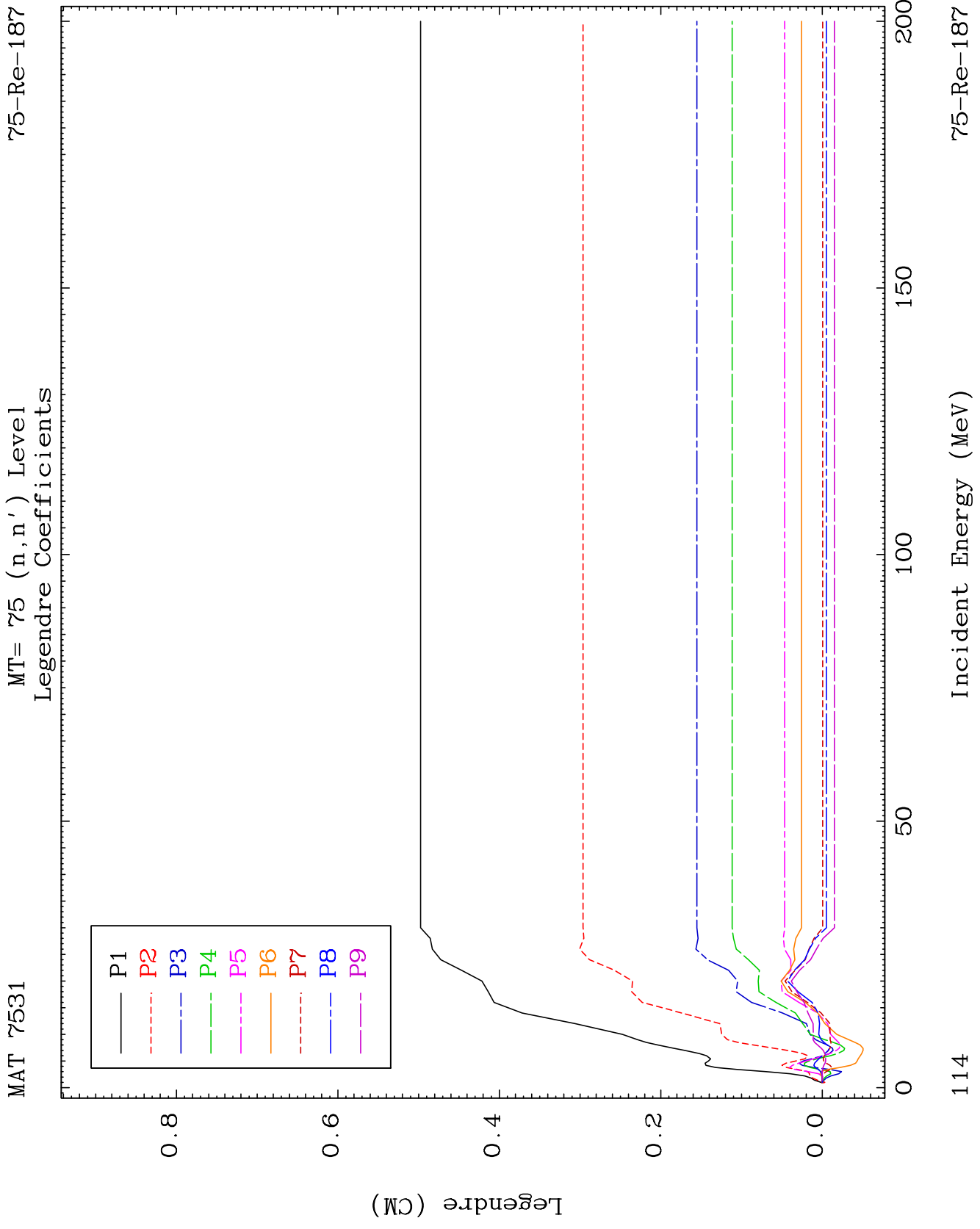
75-Re-187

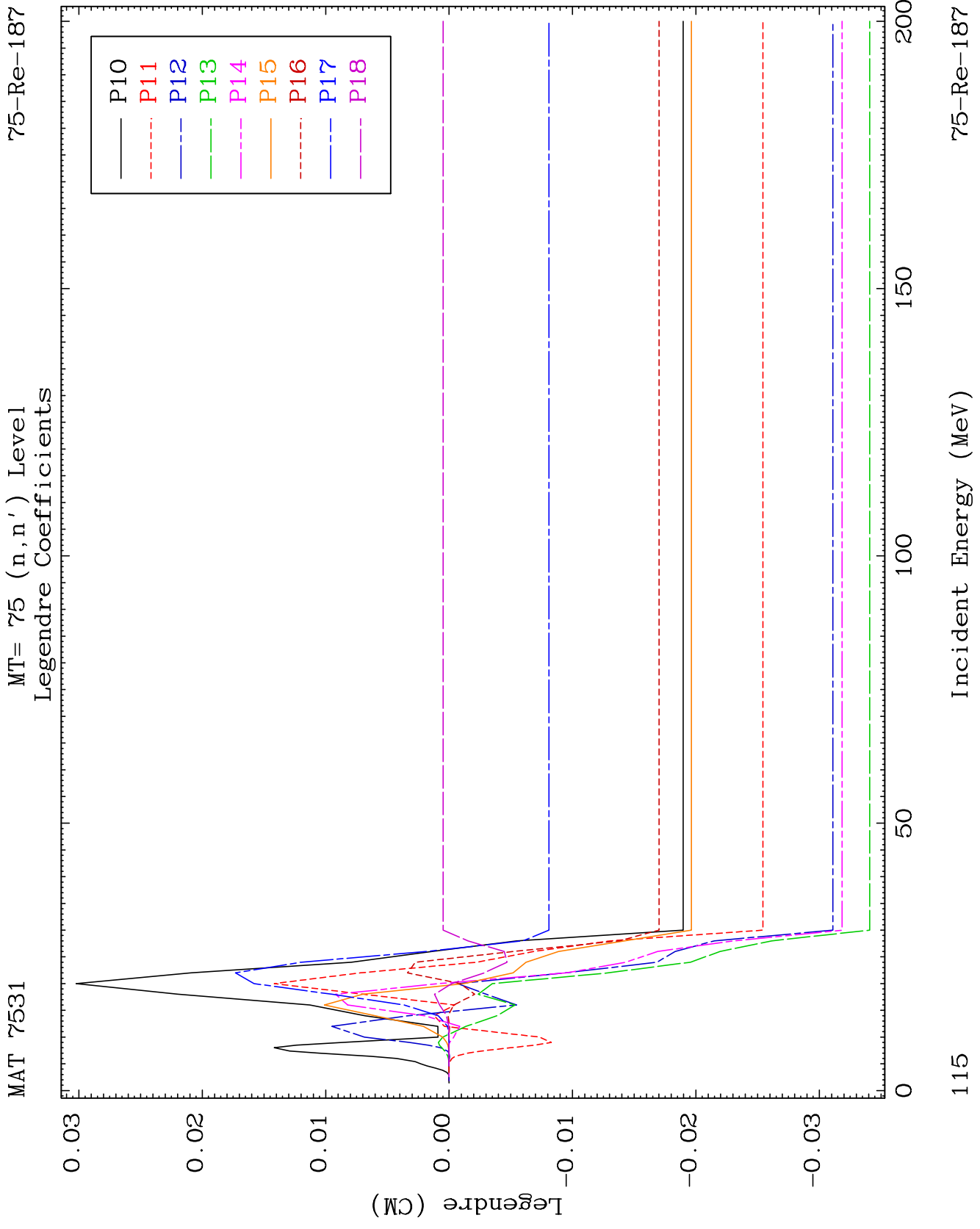


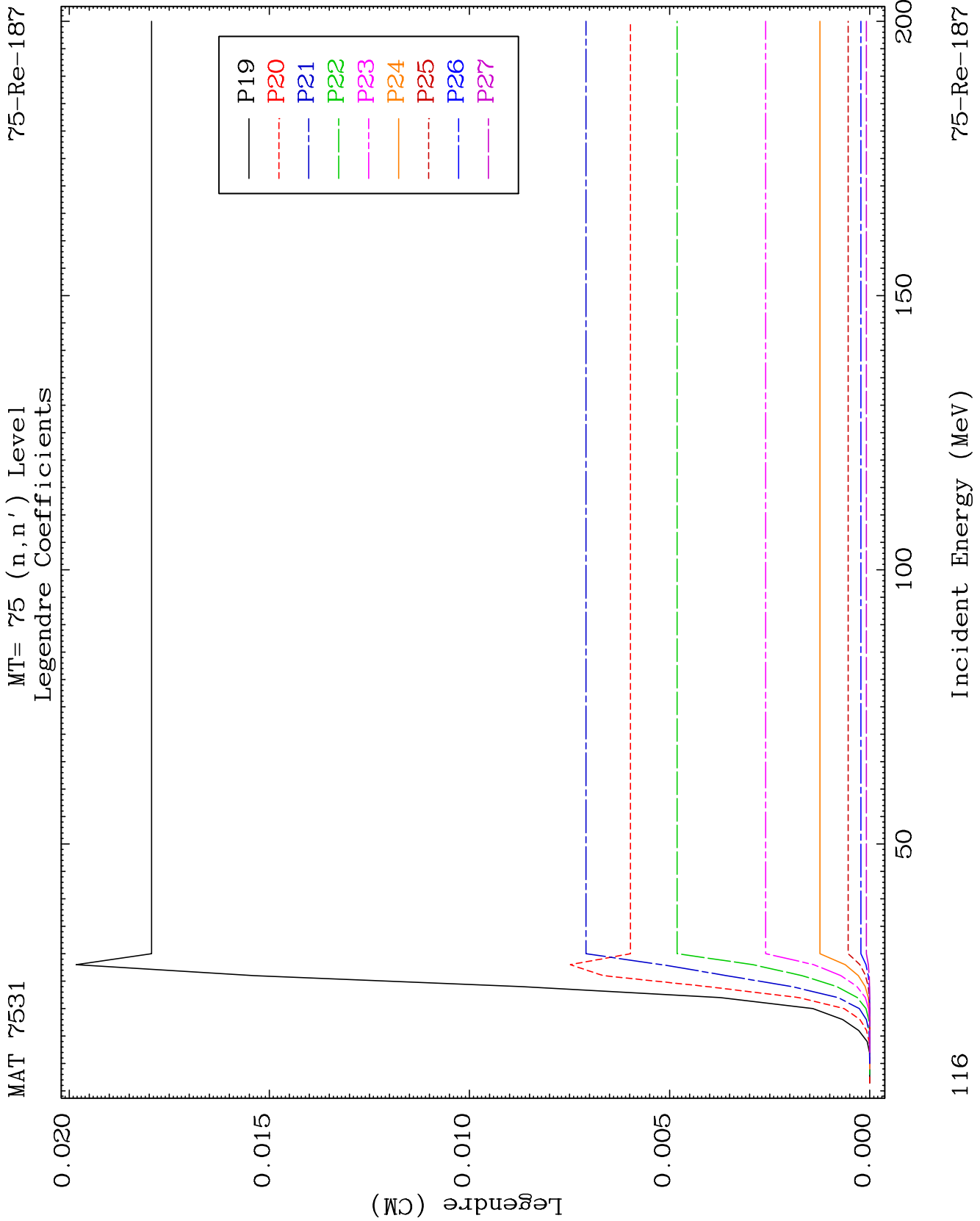
113

Incident Energy (MeV)

75-Re-187



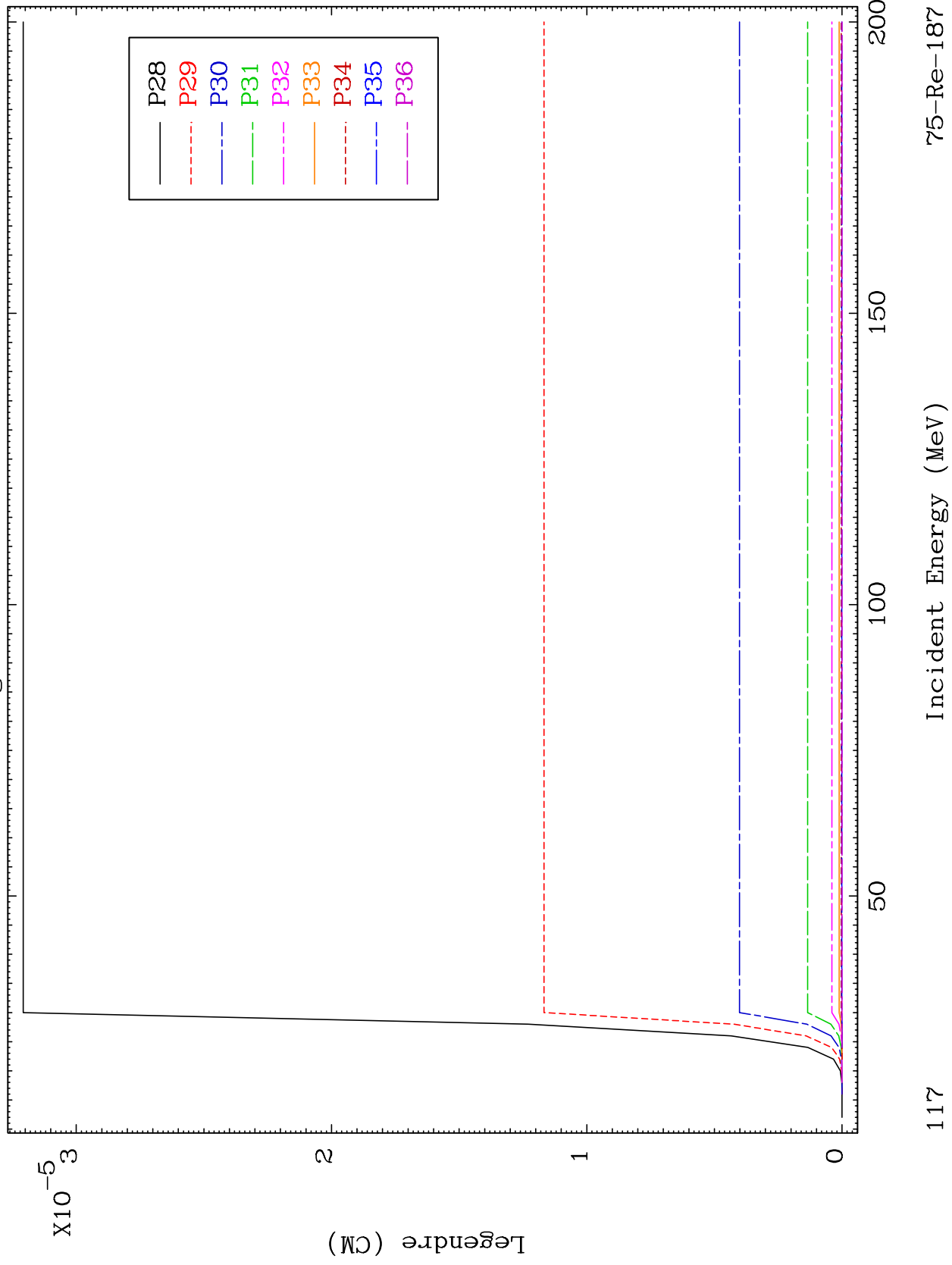




MAT 7531

MT= 75 (n,n') Level
Legendre Coefficients

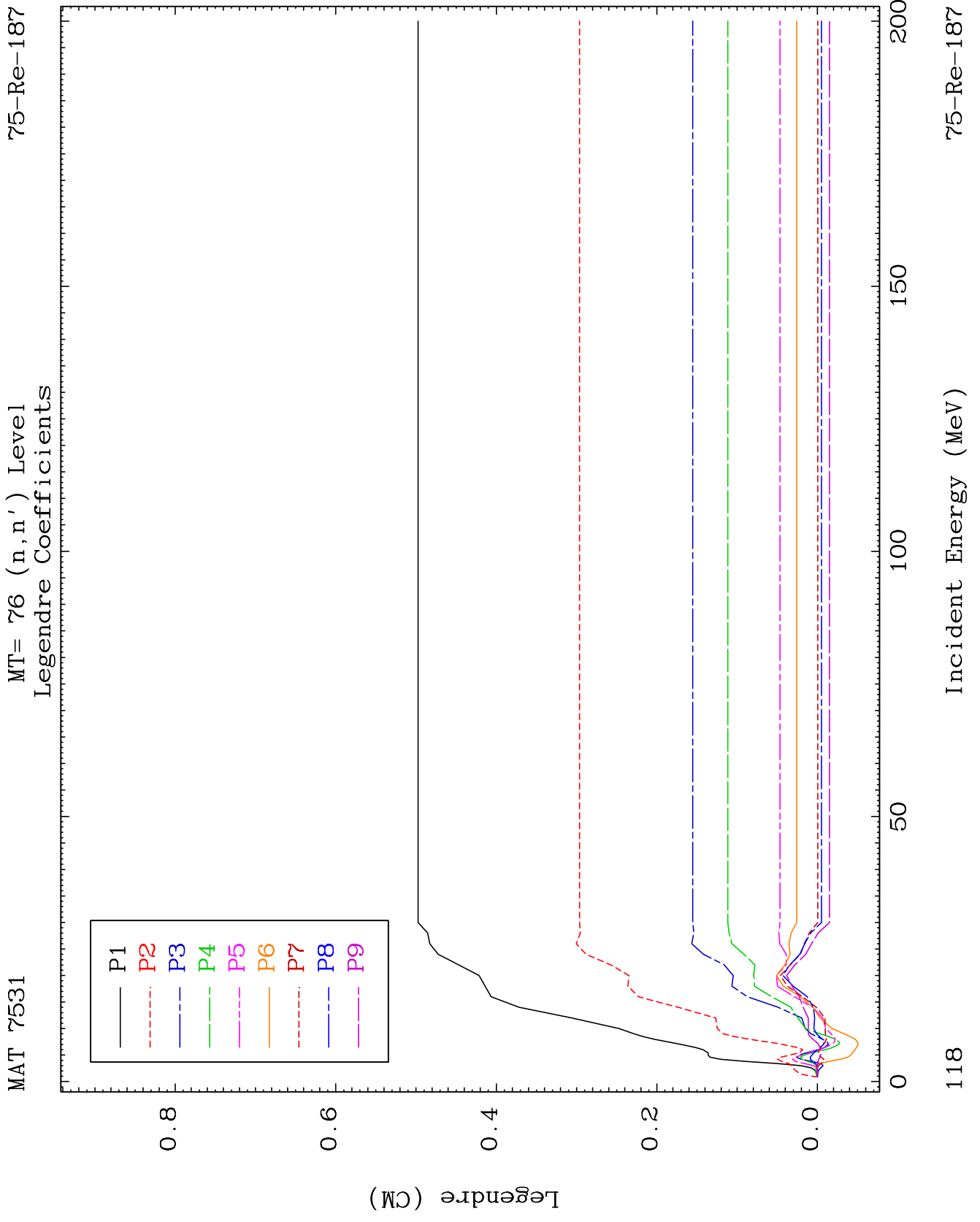
75-Re-187

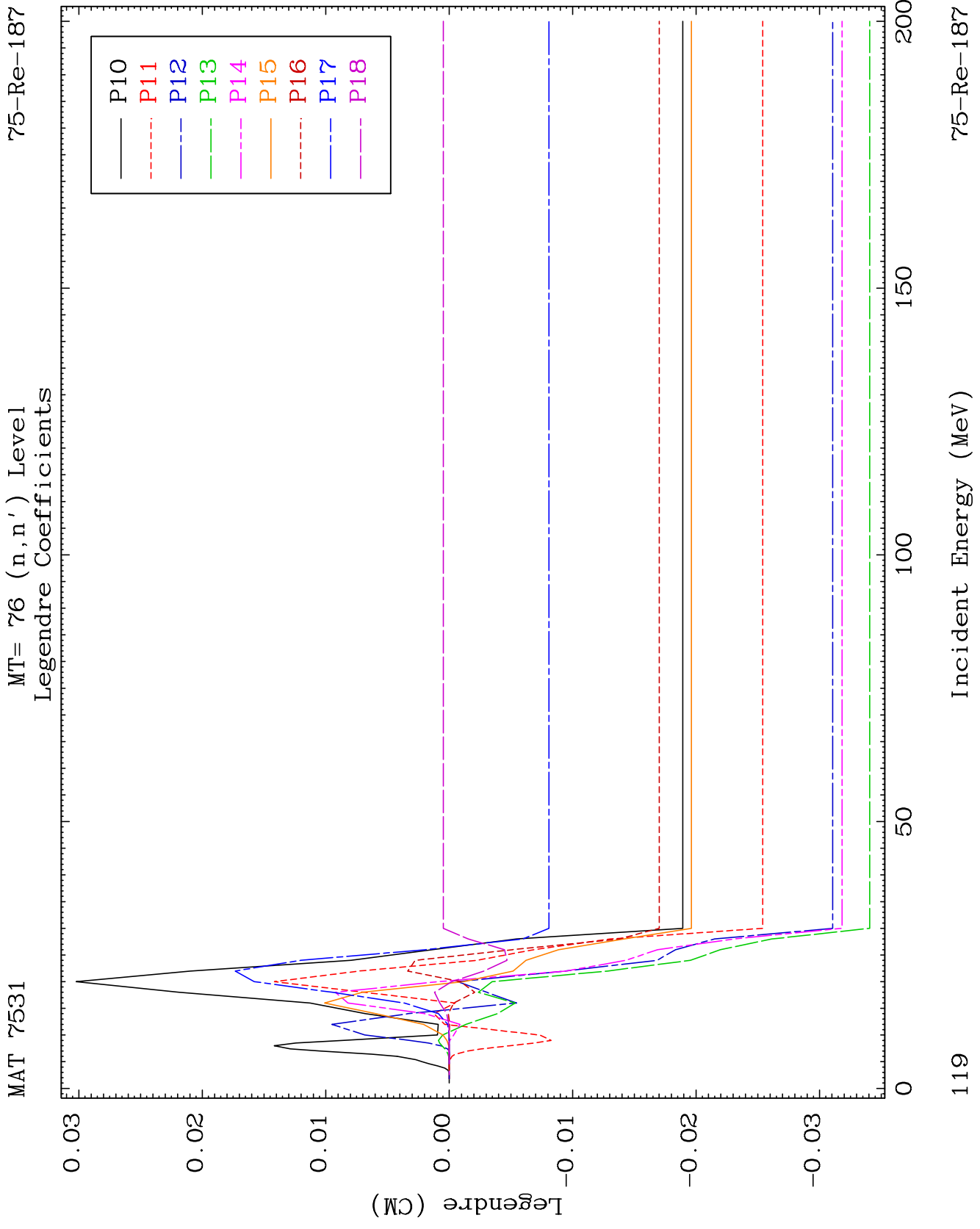


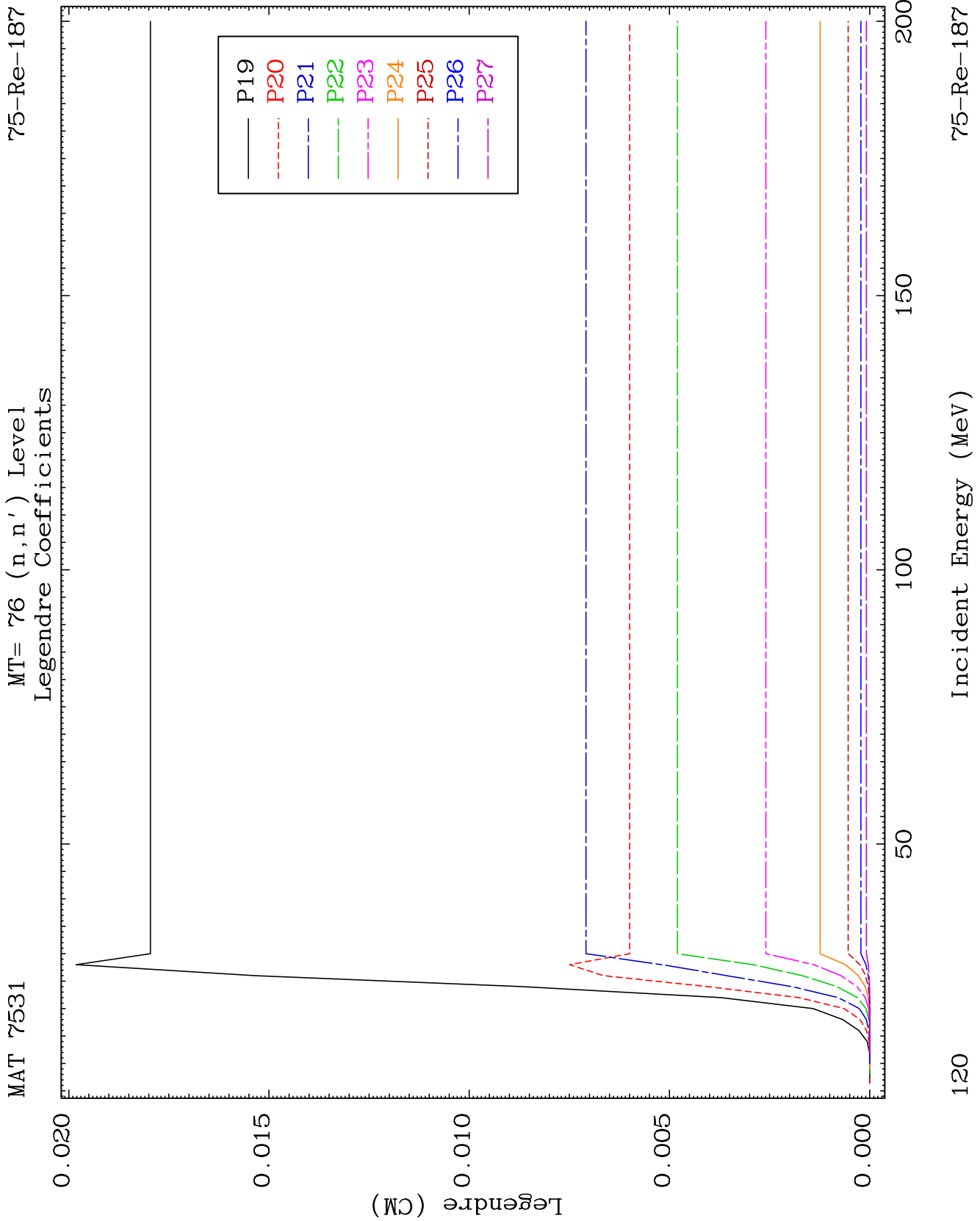
117

Incident Energy (MeV)

75-Re-187



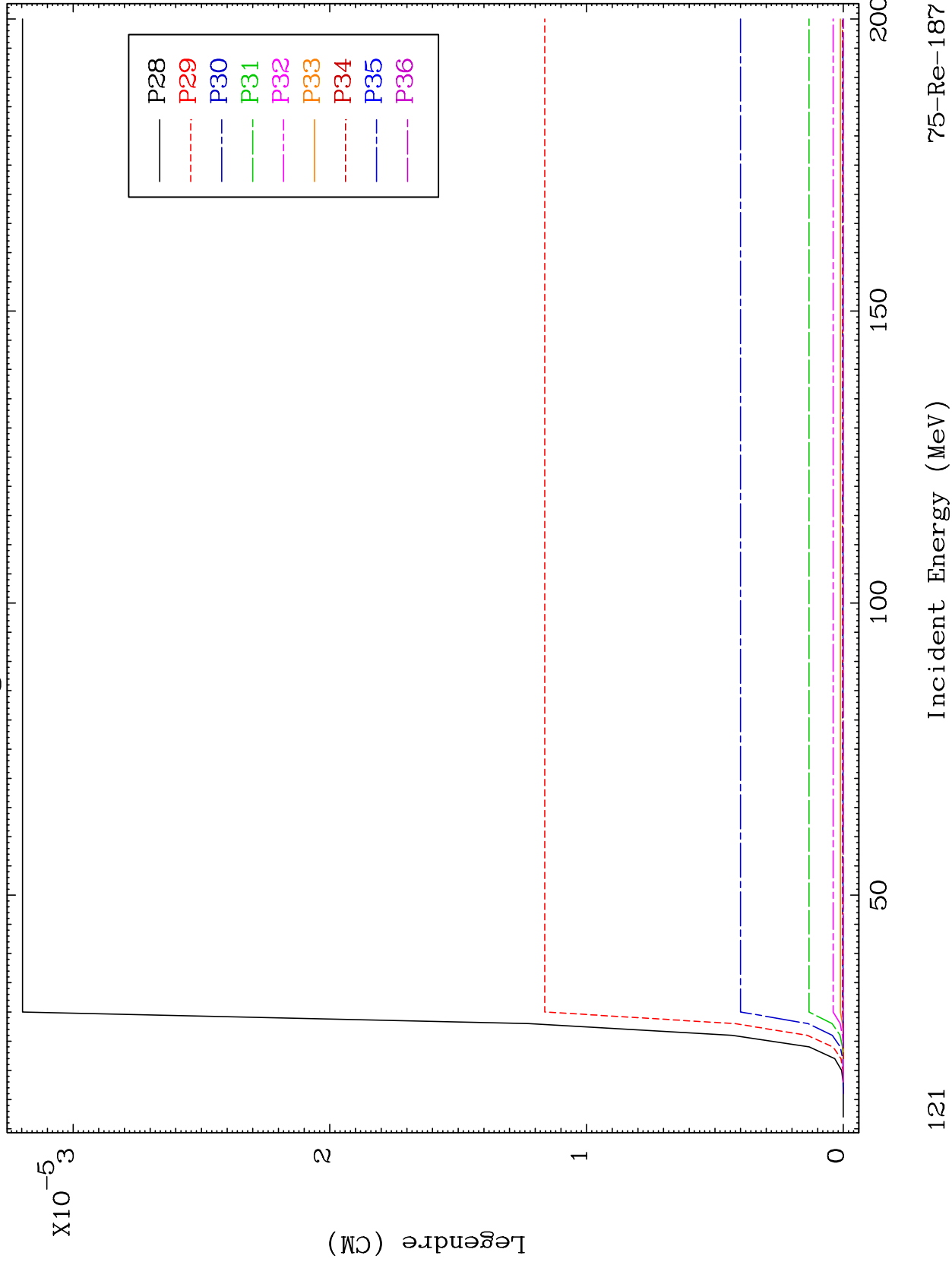




MAT 7531

MT= 76 (n,n') Level
Legendre Coefficients

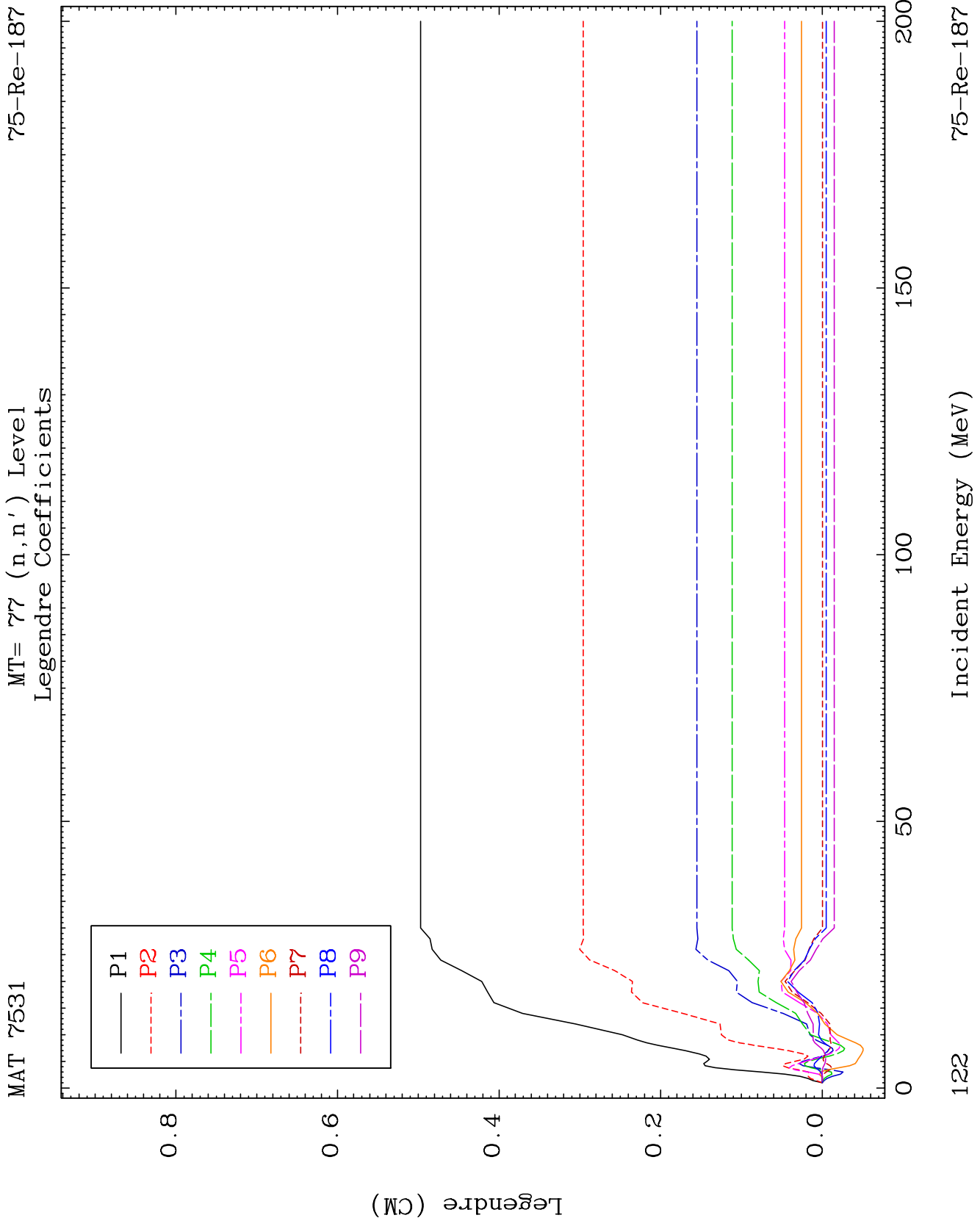
75-Re-187

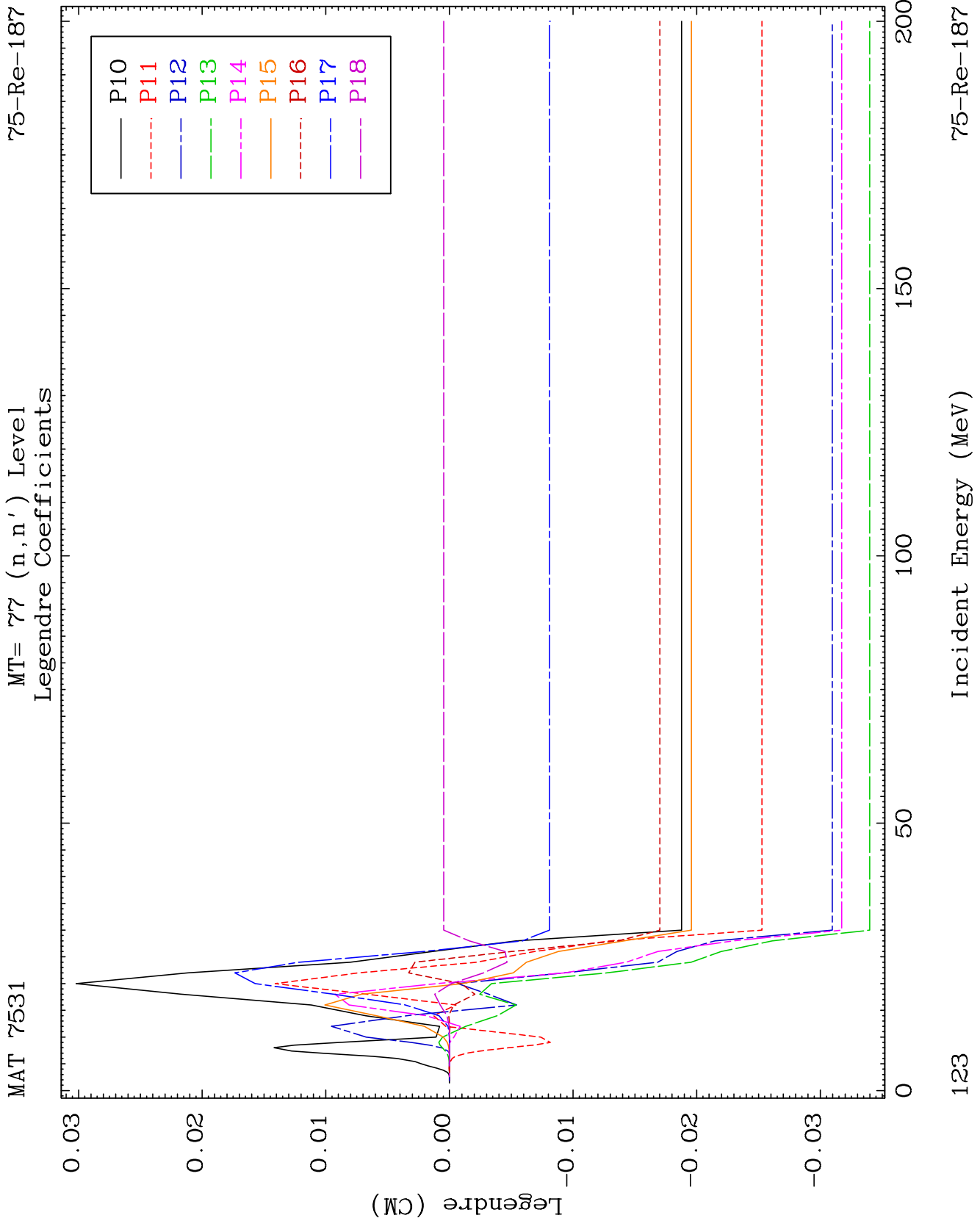


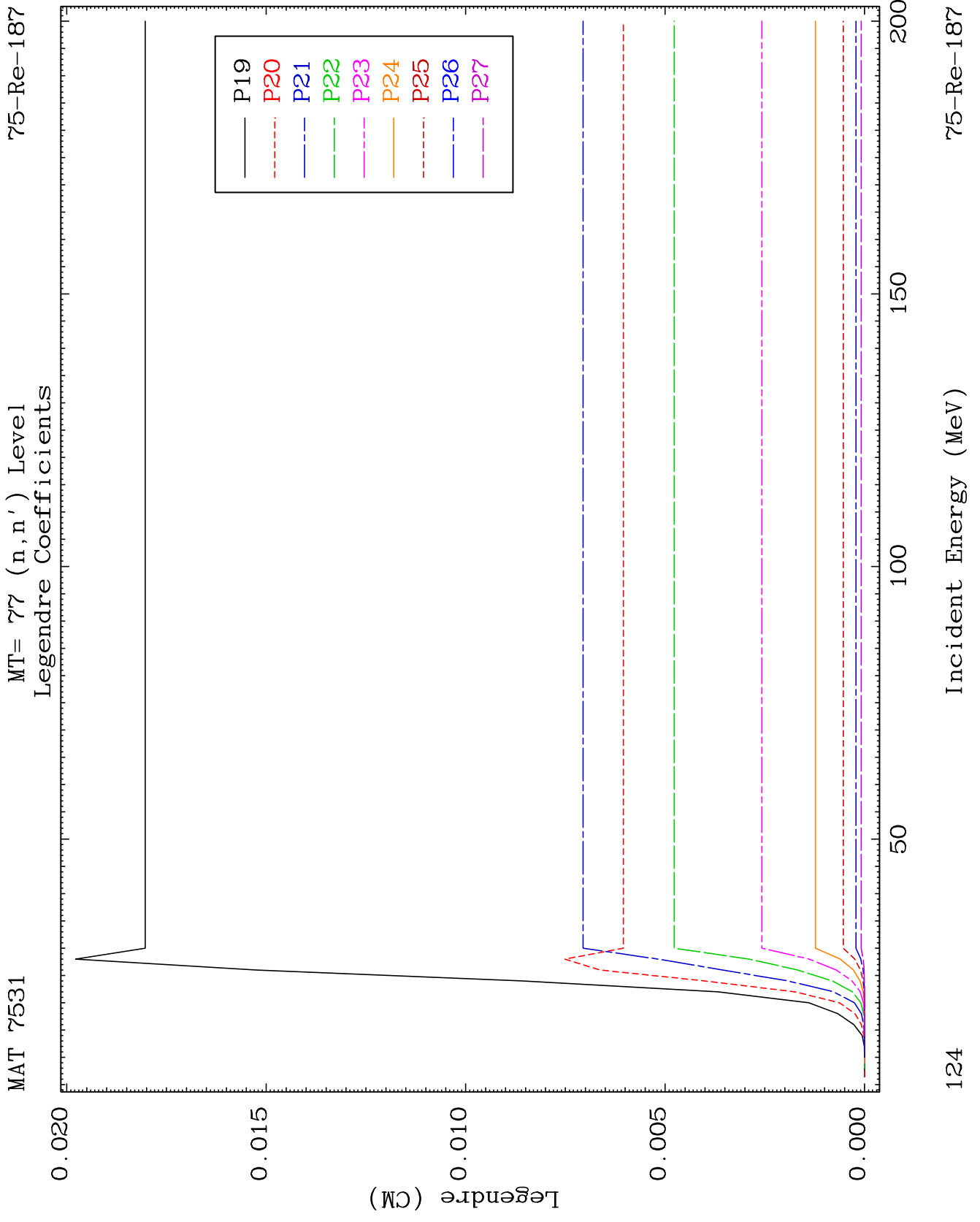
121

Incident Energy (MeV)

75-Re-187



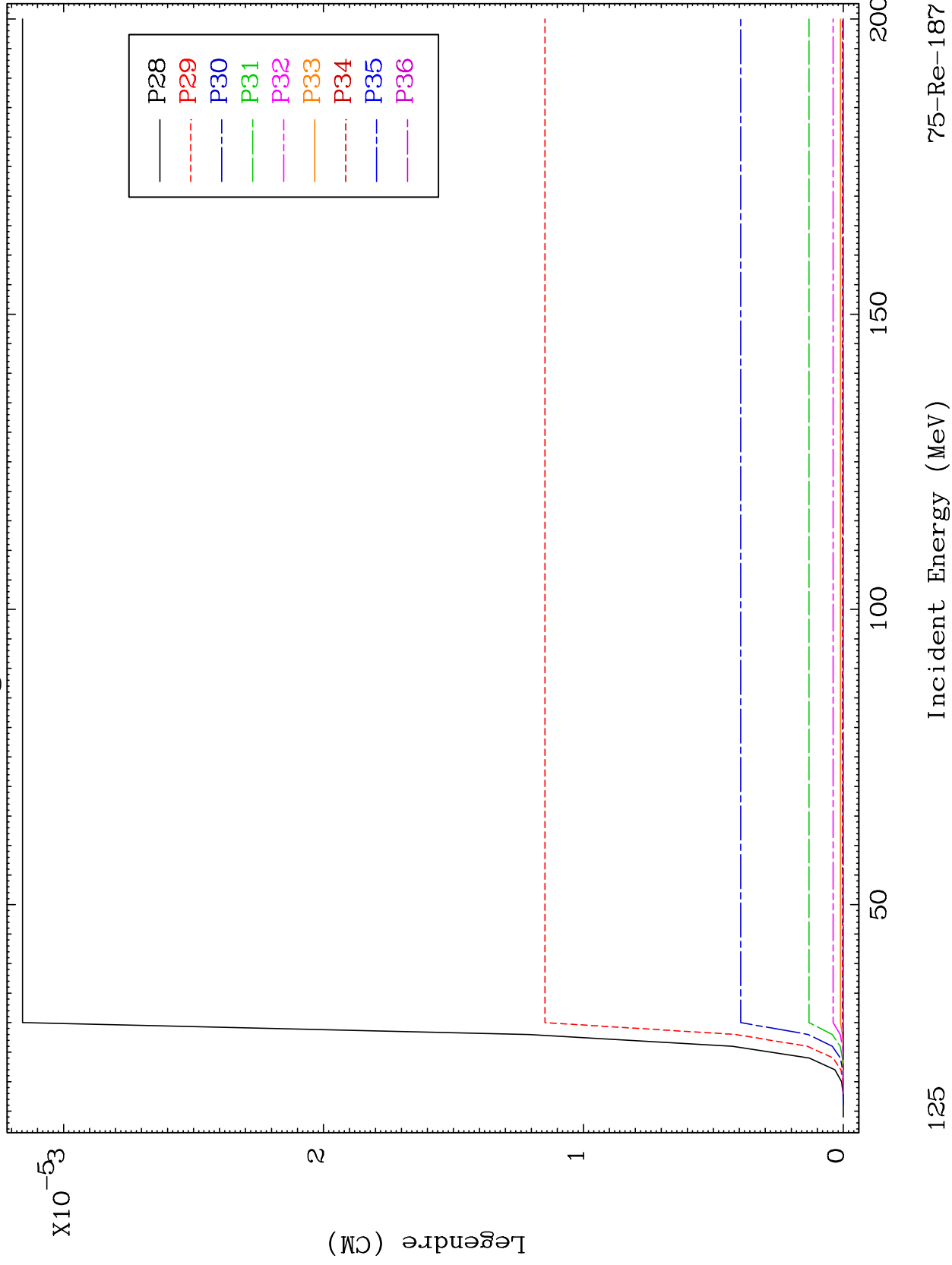




MAT 7531

MT= 77 (n,n') Level
Legendre Coefficients

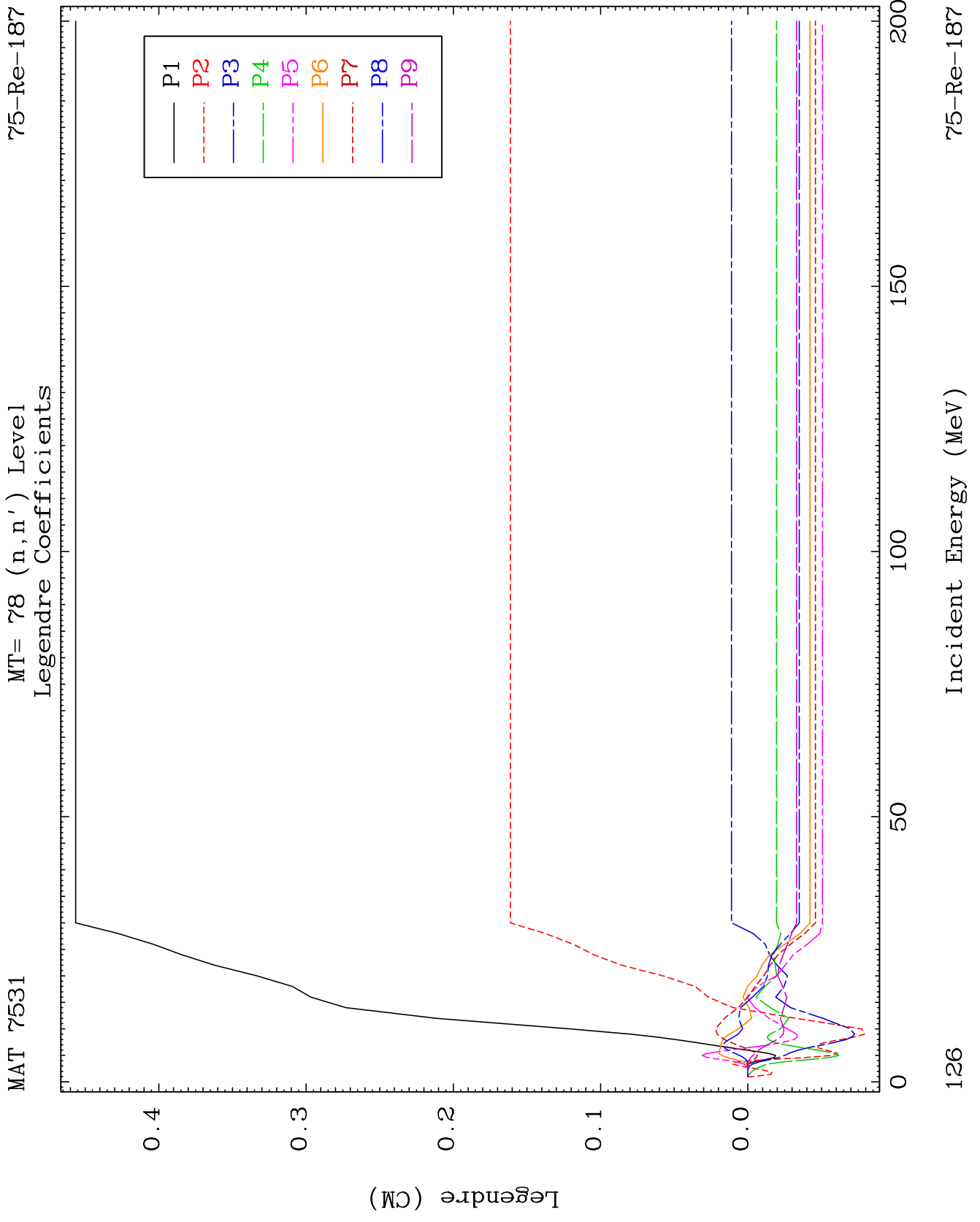
75-Re-187



125

Incident Energy (MeV)

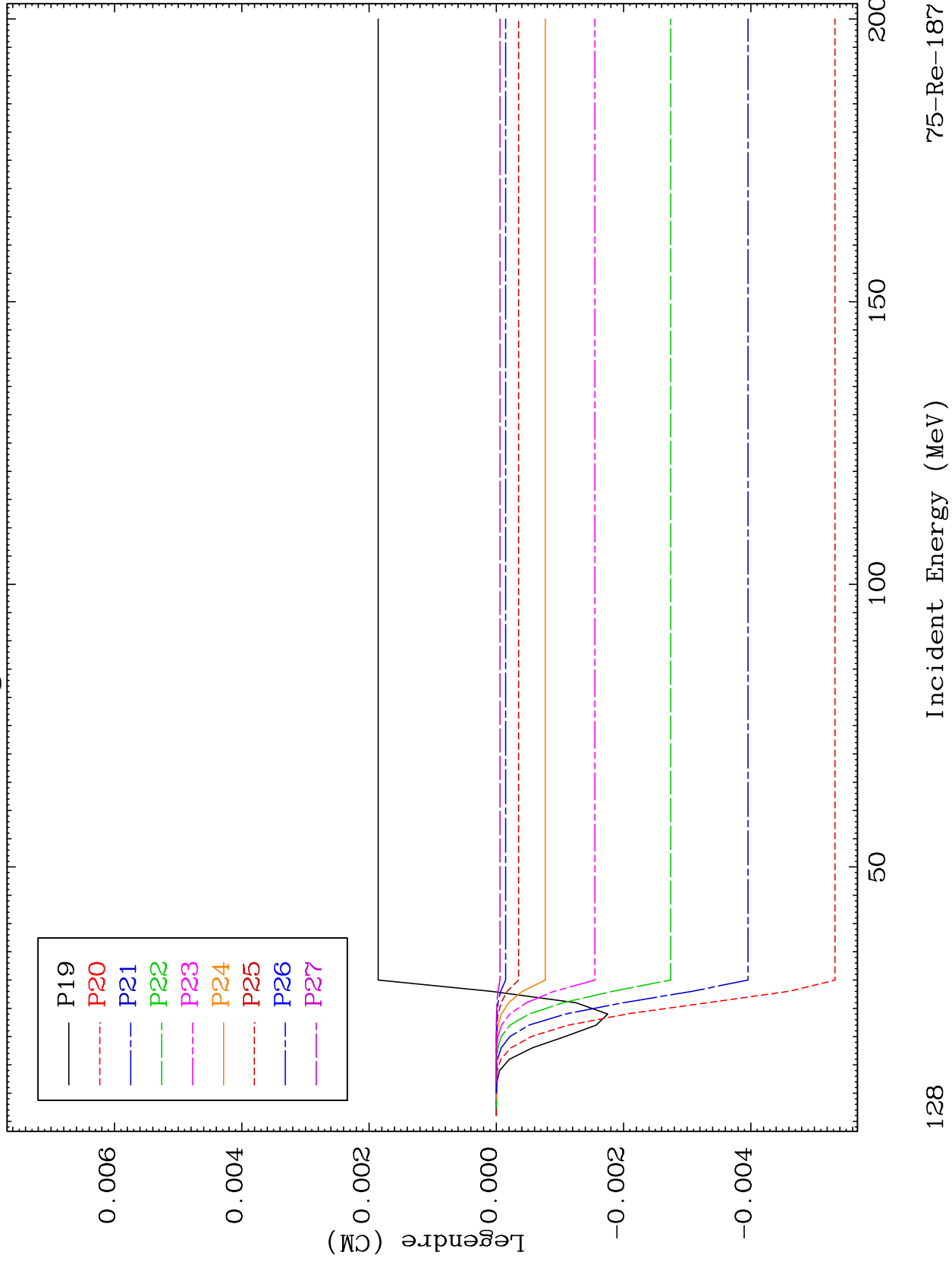
75-Re-187



MAT 7531

MT= 78 (n,n') Level
Legendre Coefficients

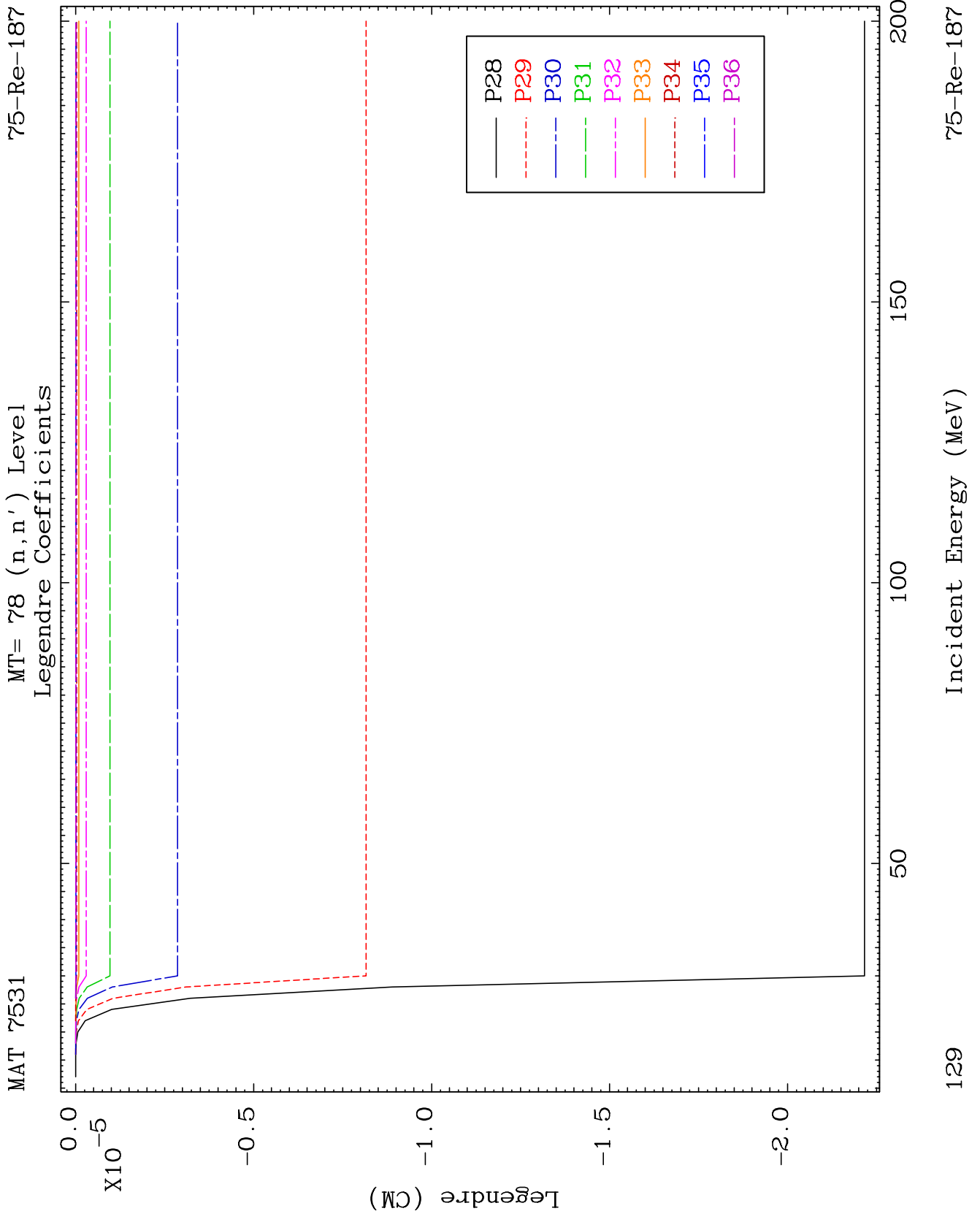
75-Re-187

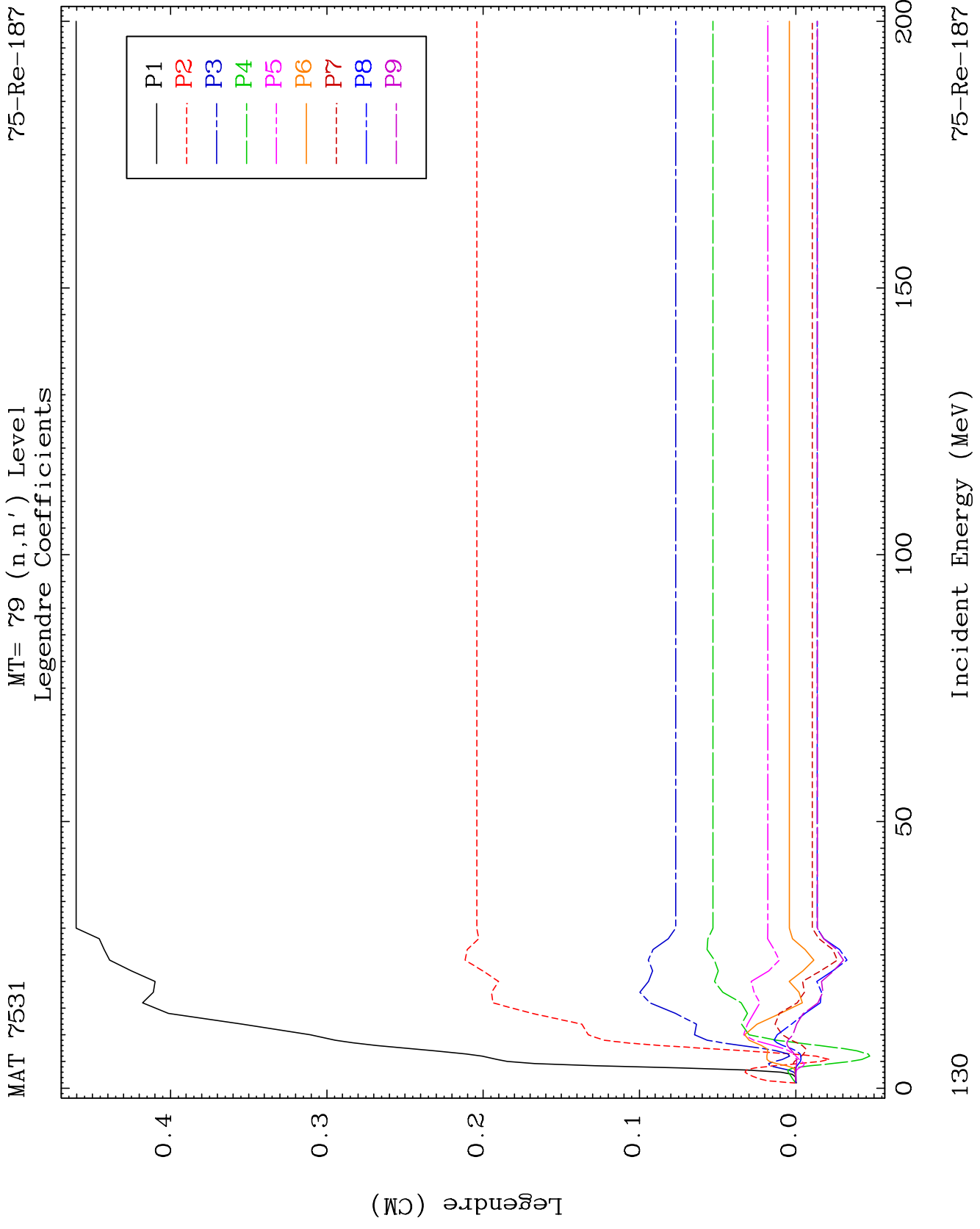


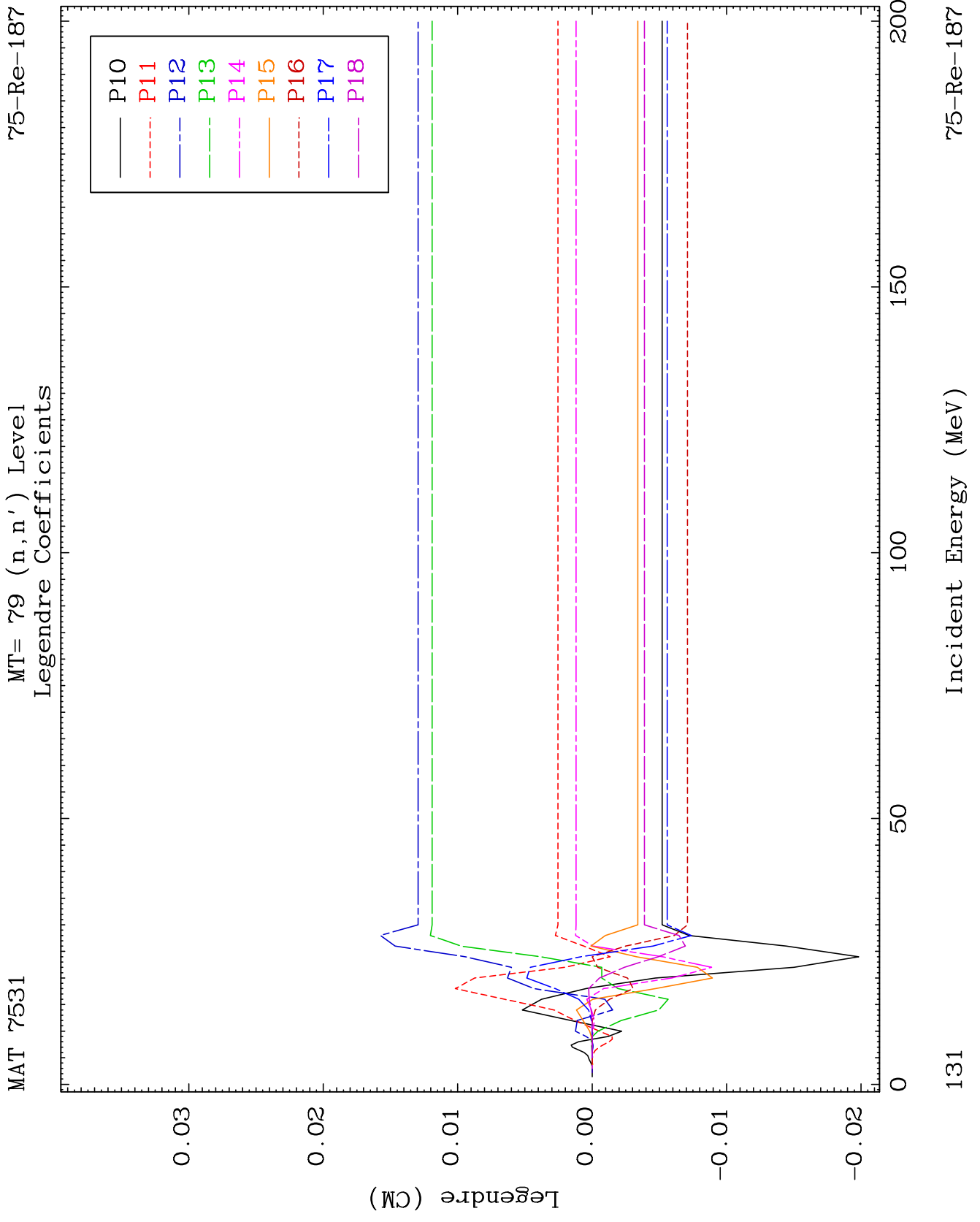
128

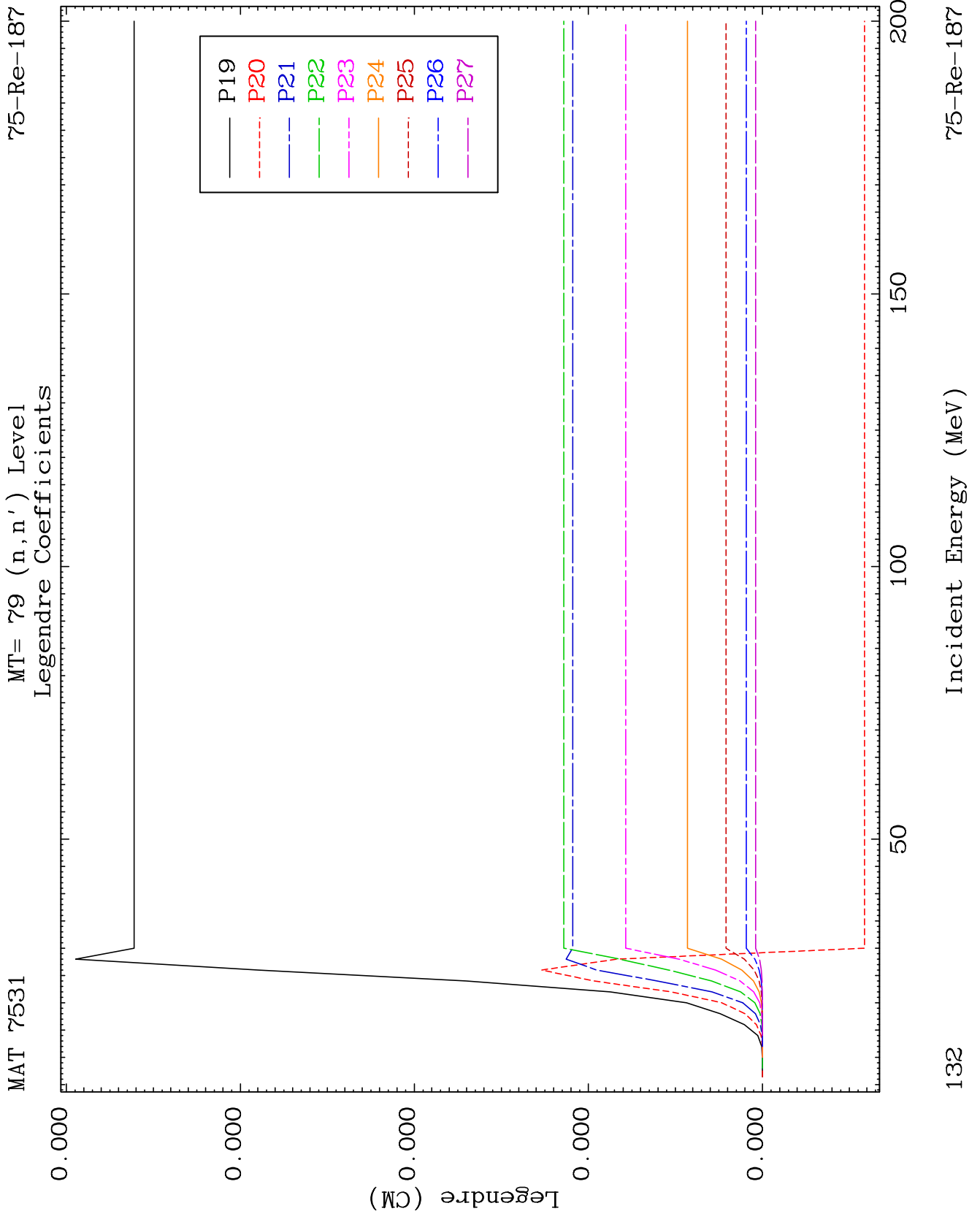
Incident Energy (MeV)

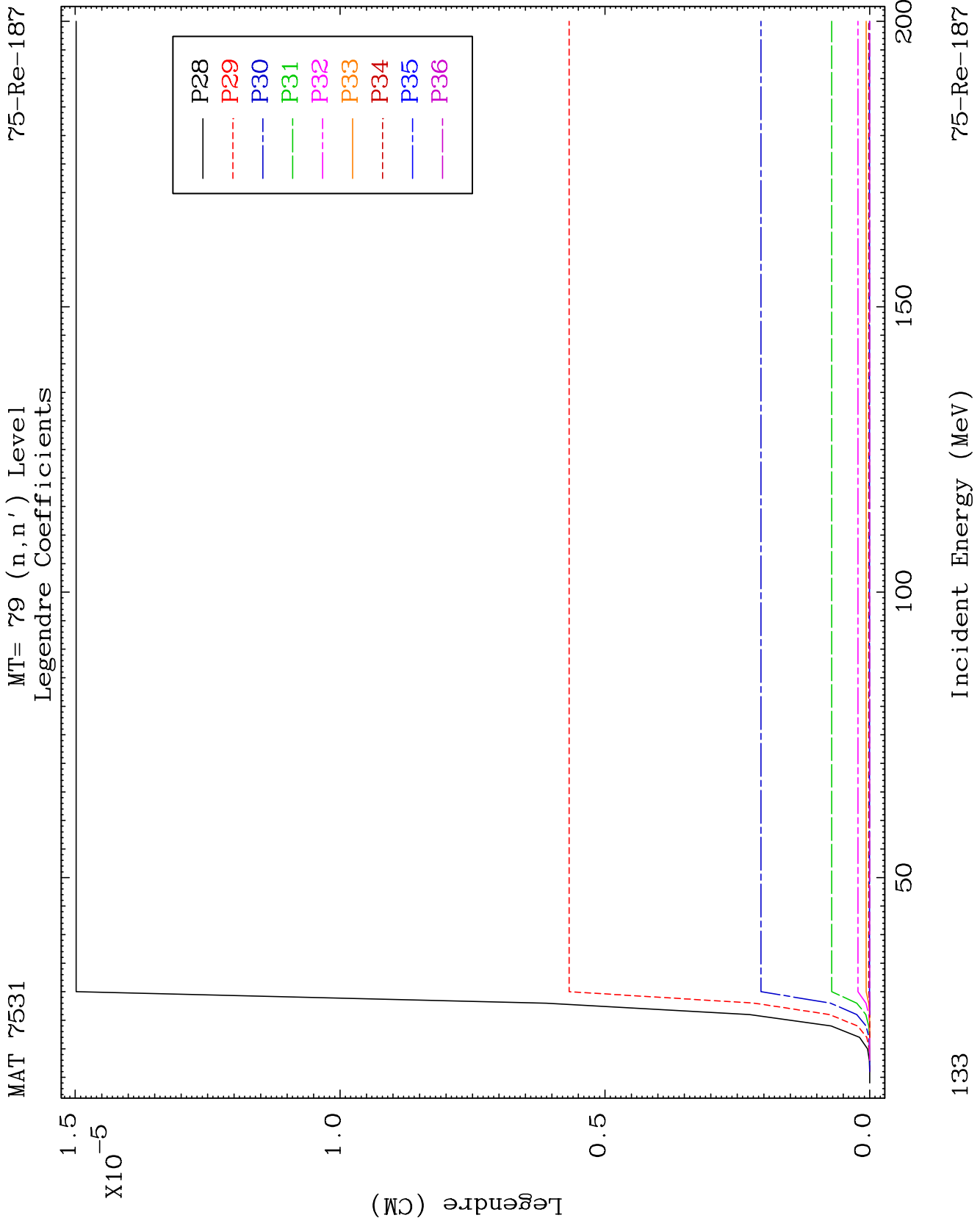
75-Re-187

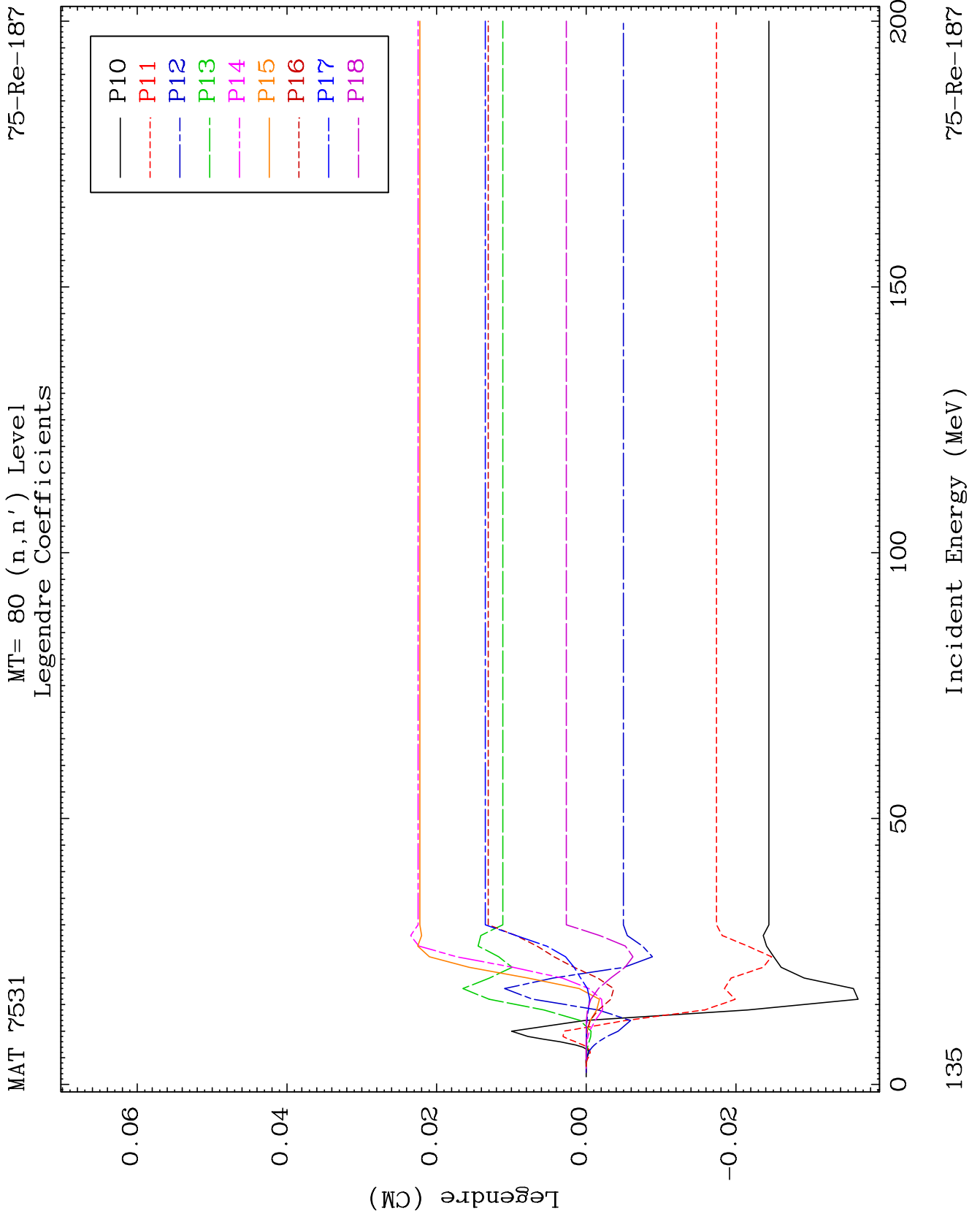








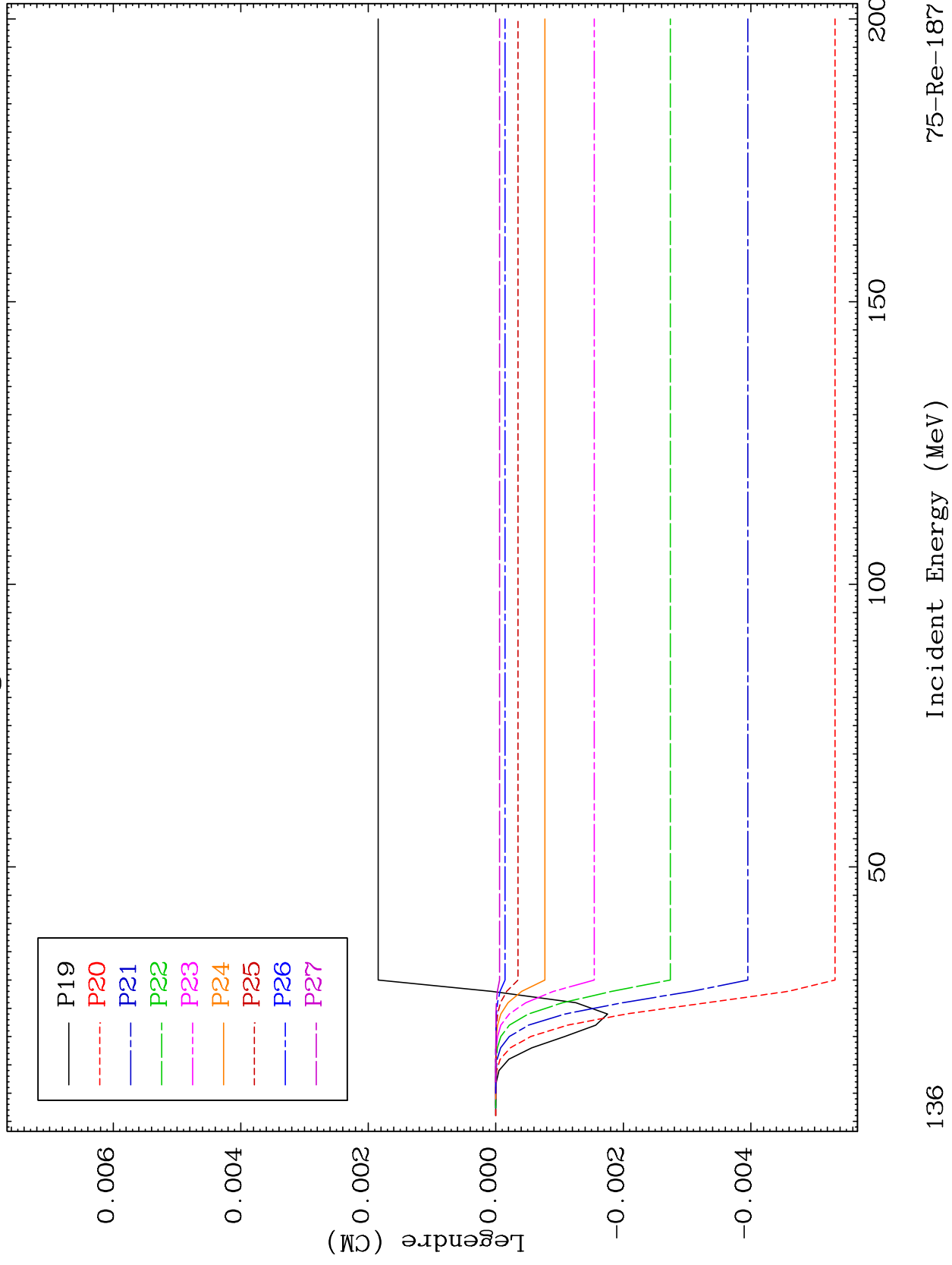




MAT 7531

MT= 80 (n,n') Level
Legendre Coefficients

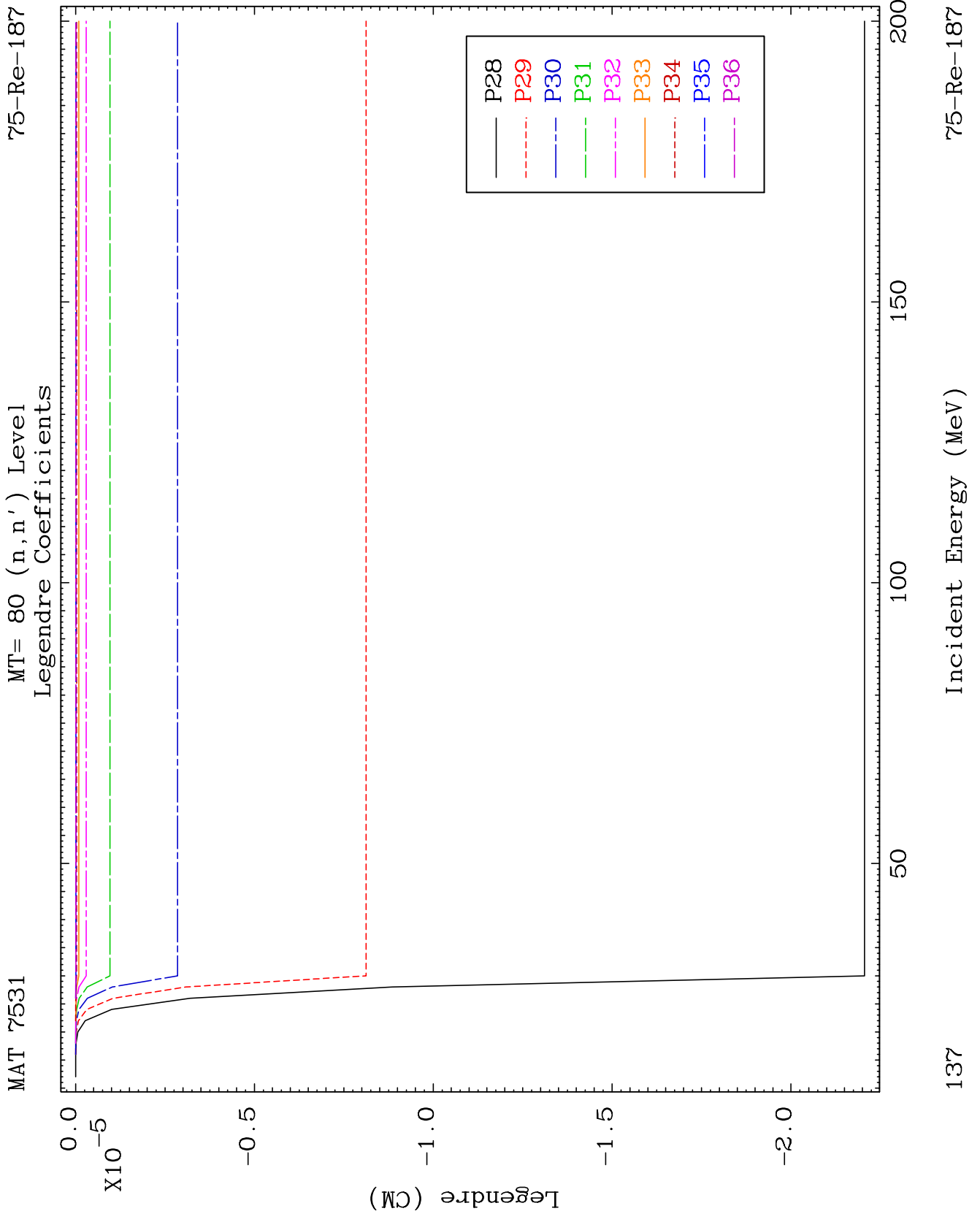
75-Re-187



136

Incident Energy (MeV)

75-Re-187

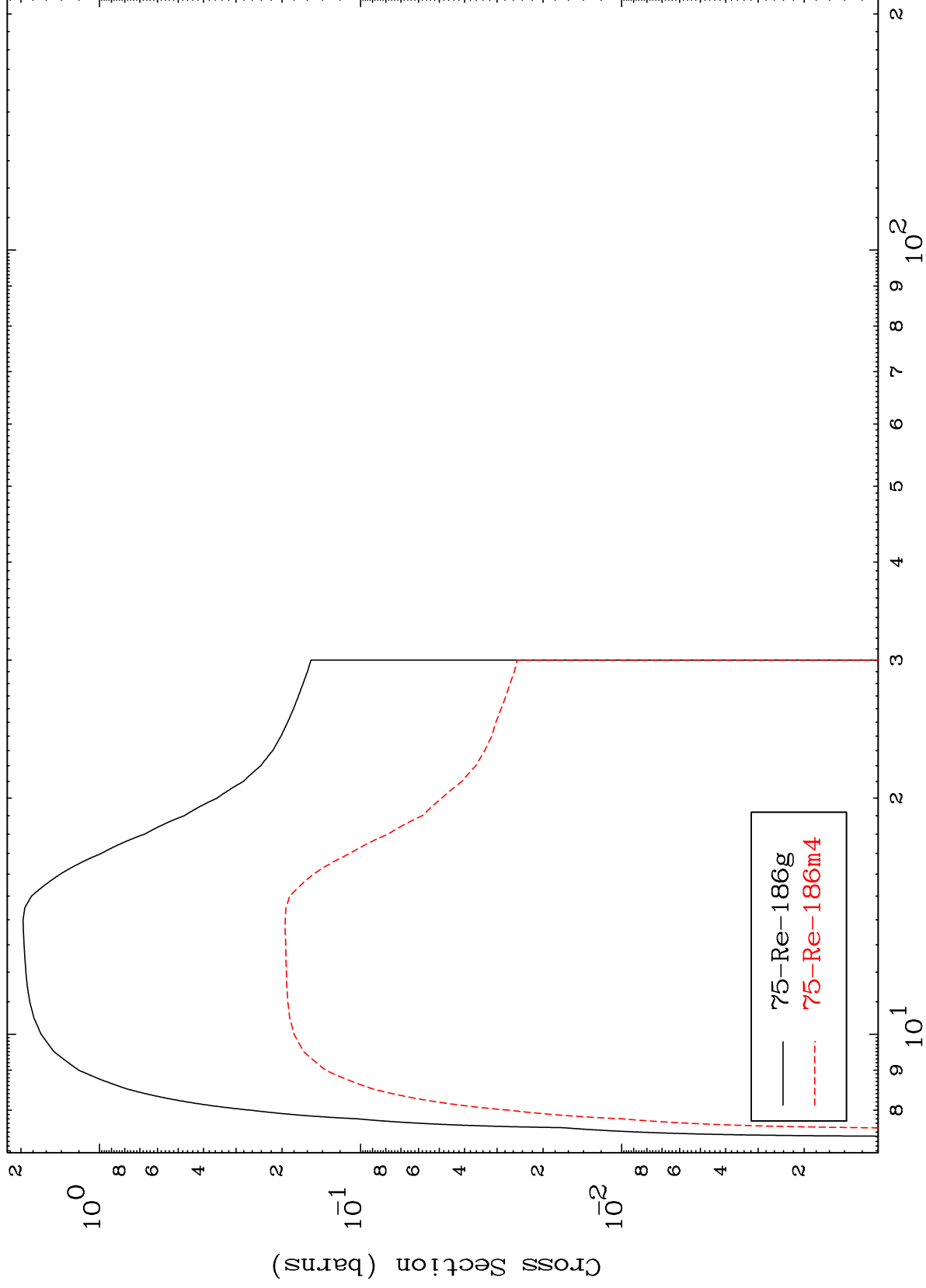


MAT 7531

(n,2n)

75-Re-187

Radionuclide Production Cross Section



138

Incident Energy (MeV)

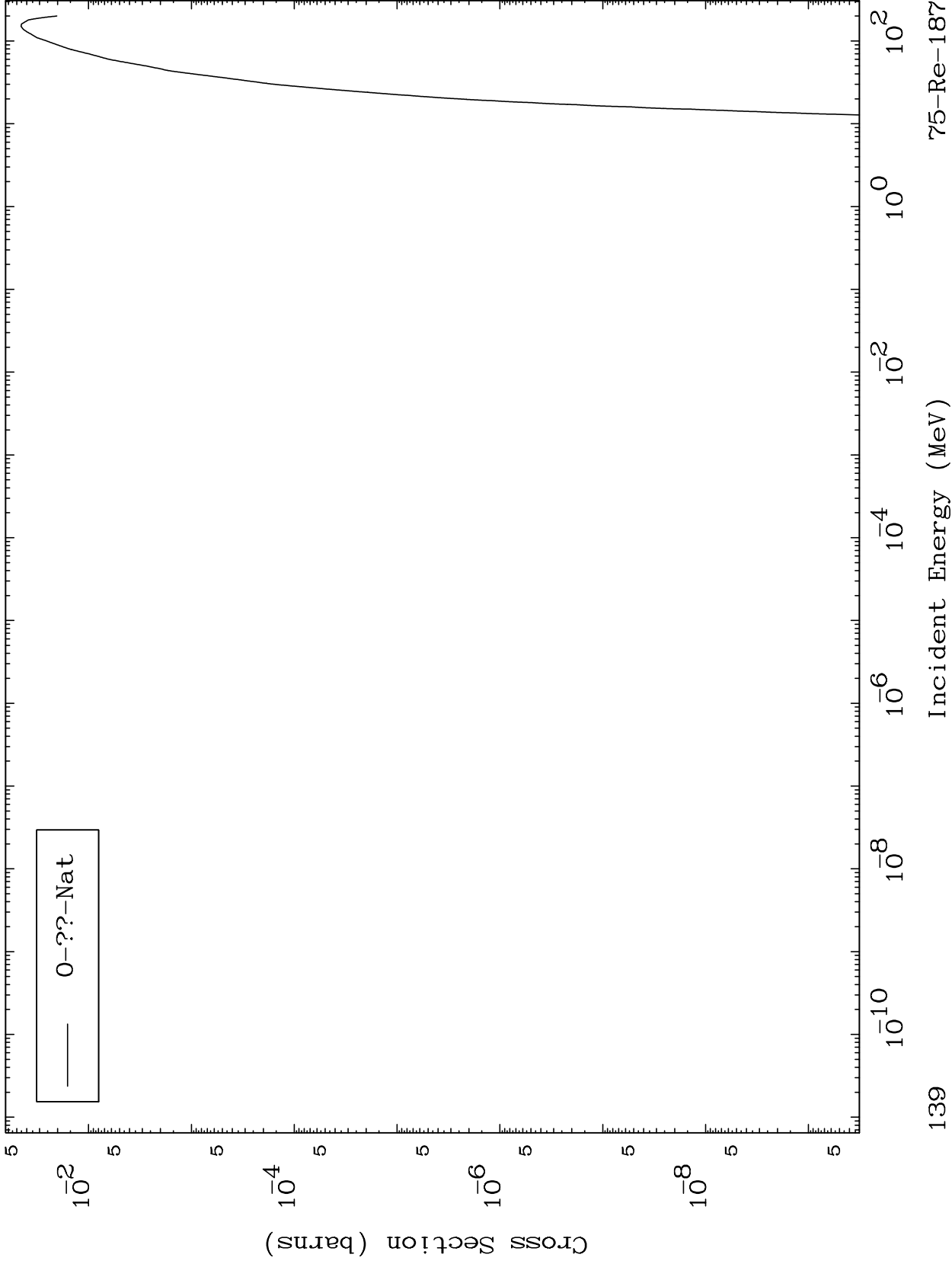
75-Re-187

MAT 7531

Fission

75-Re-187

Radionuclide Production Cross Section

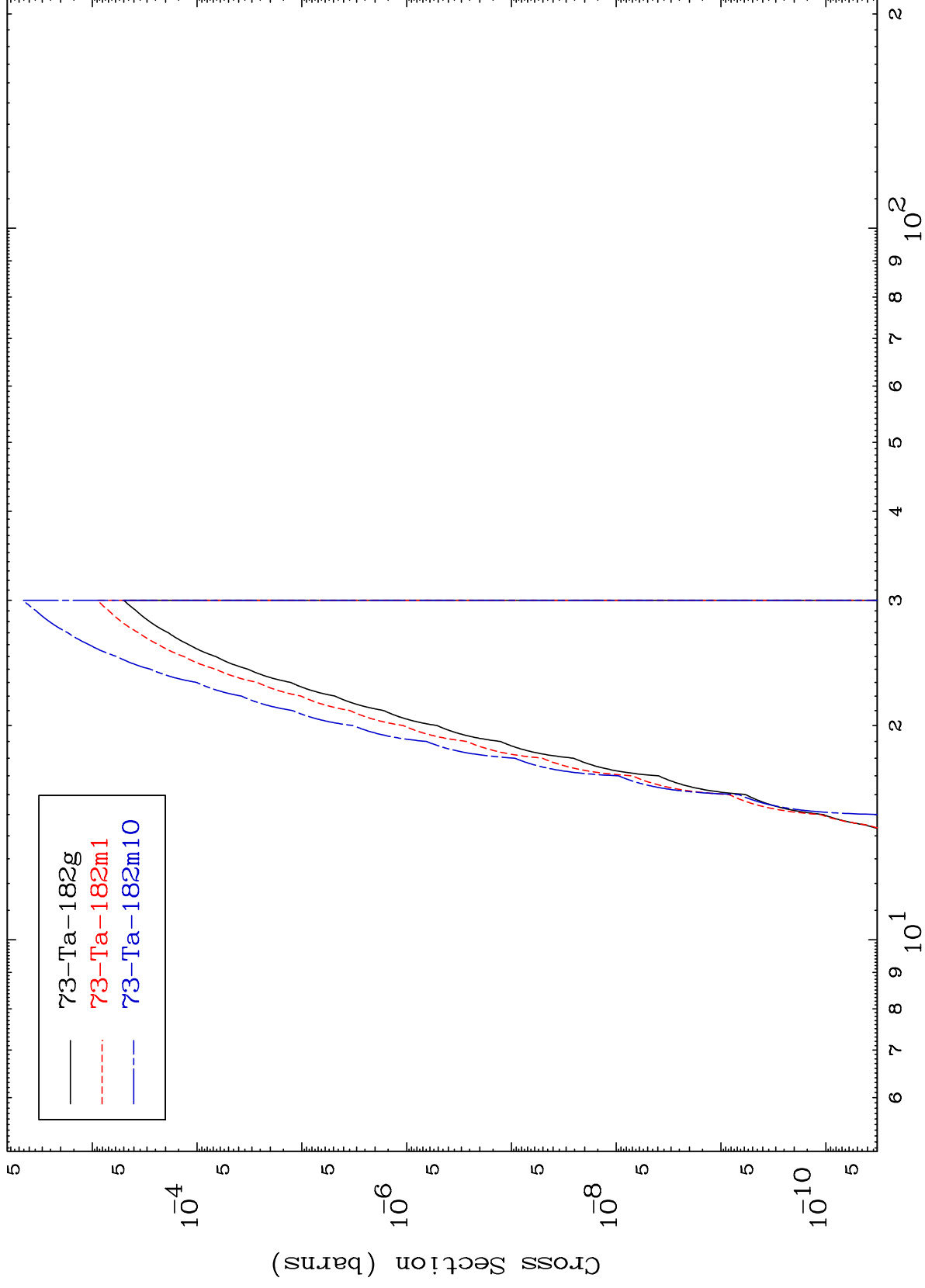


MAT 7531

$(n,2n) \alpha$

$^{75}\text{Re-187}$

Radionuclide Production Cross Section



140

Incident Energy (MeV)

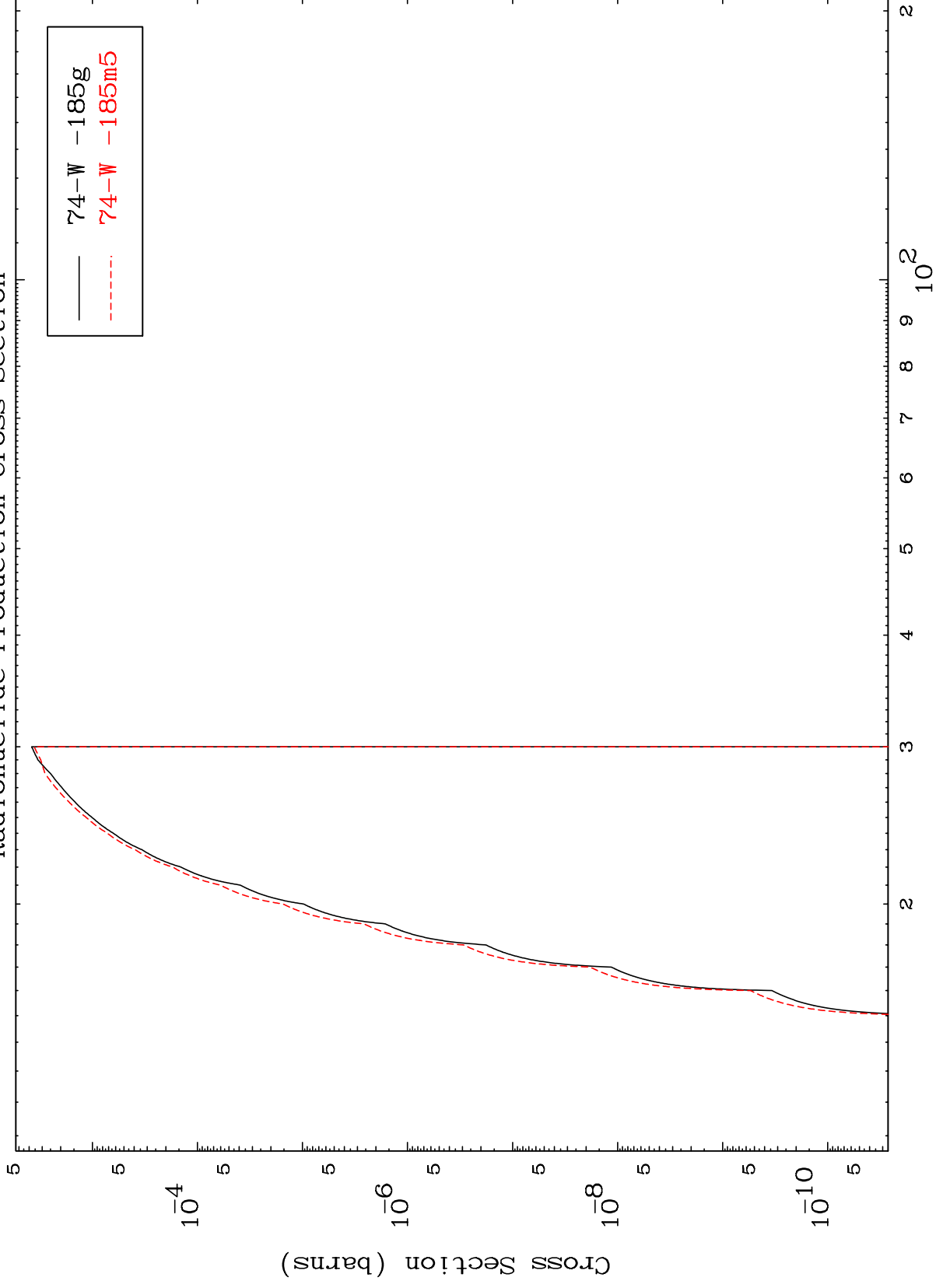
$^{75}\text{Re-187}$

MAT 7531

(n,n') d

75-Re-187

Radionuclide Production Cross Section



141

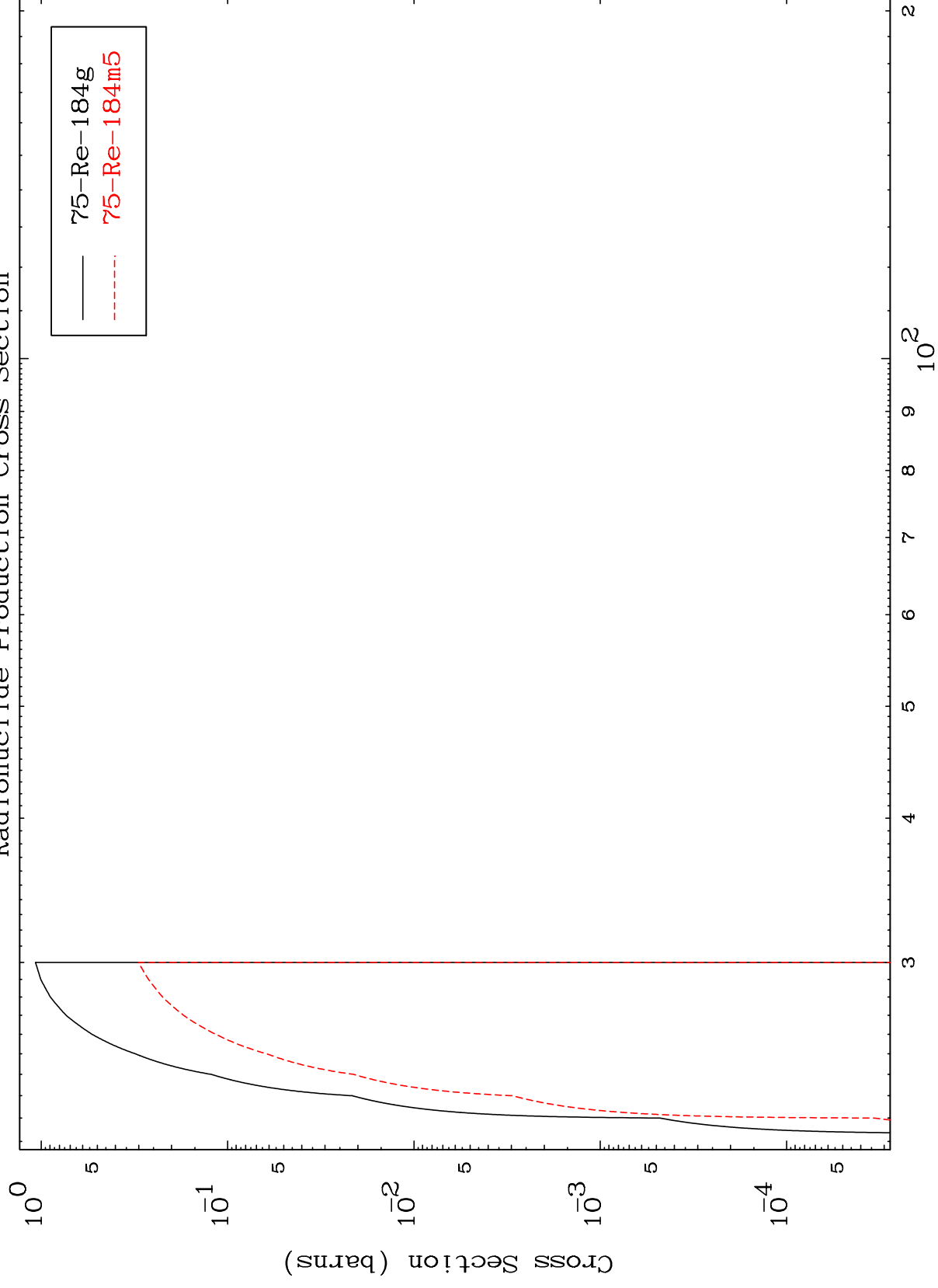
Incident Energy (MeV)

75-Re-187

MAT 7531

75-Re-187

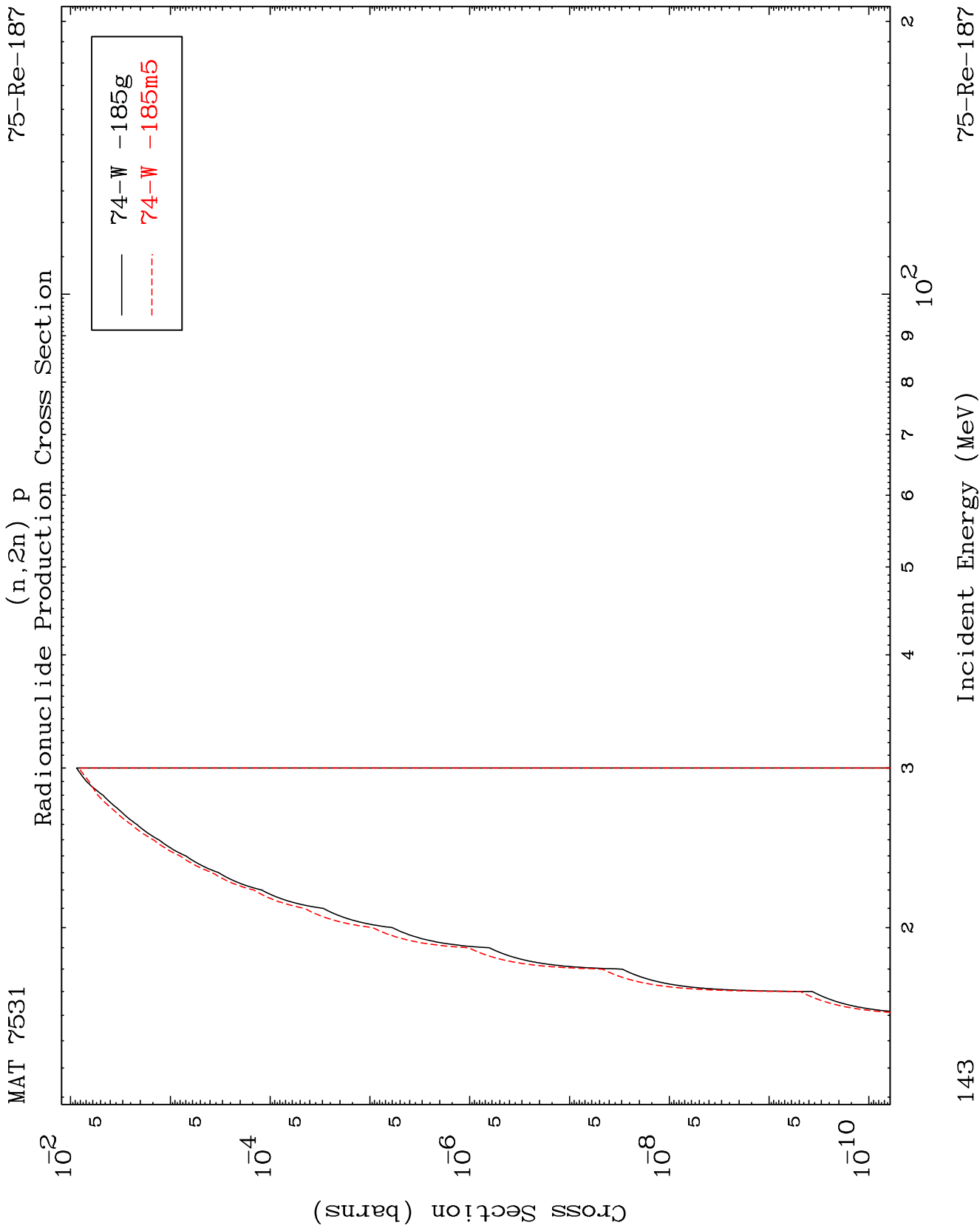
(n,4n)
Radionuclide Production Cross Section



142

Incident Energy (MeV)

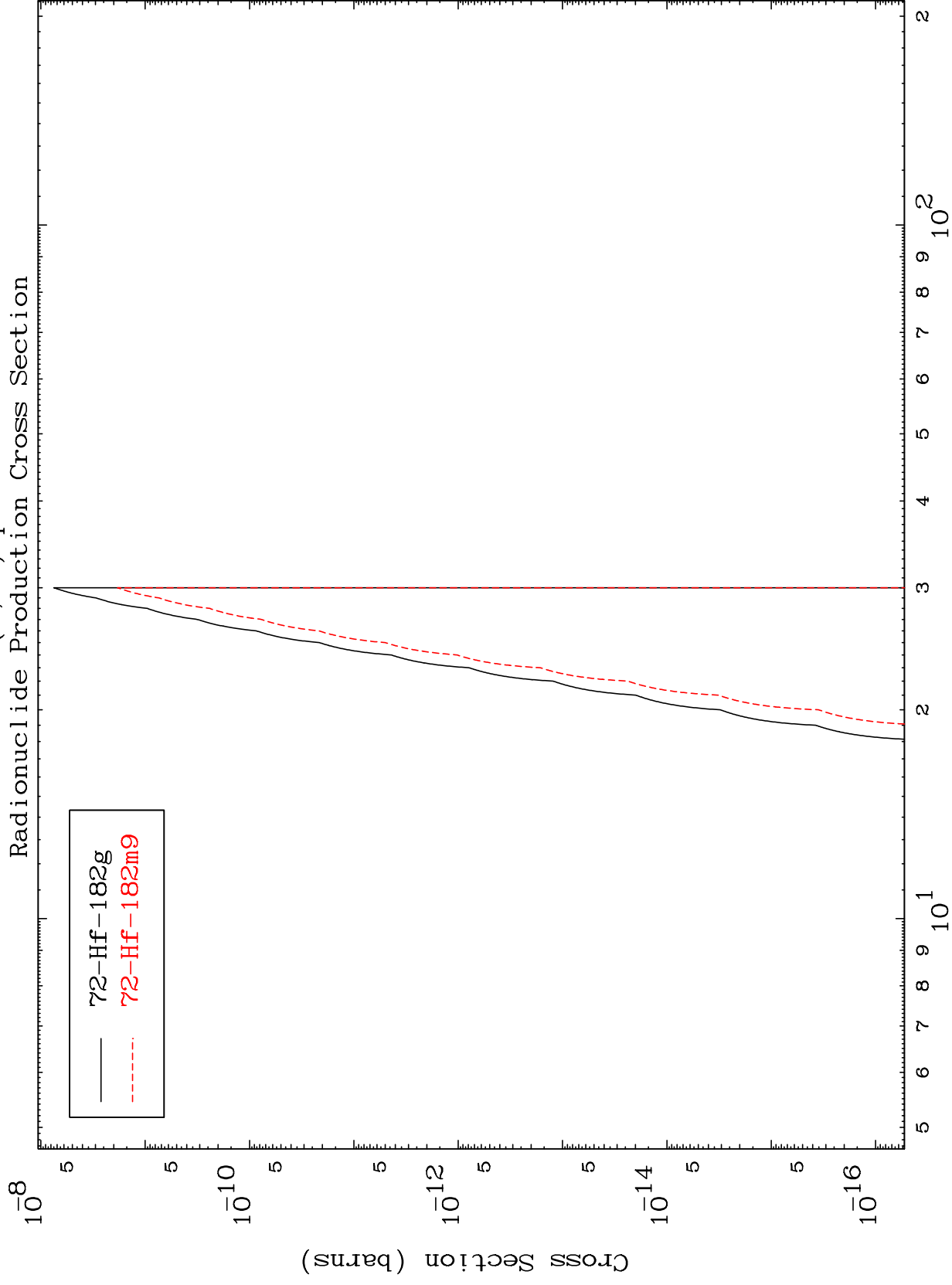
75-Re-187



MAT 7531

(n,n') p α

75-Re-187



144

Incident Energy (MeV)

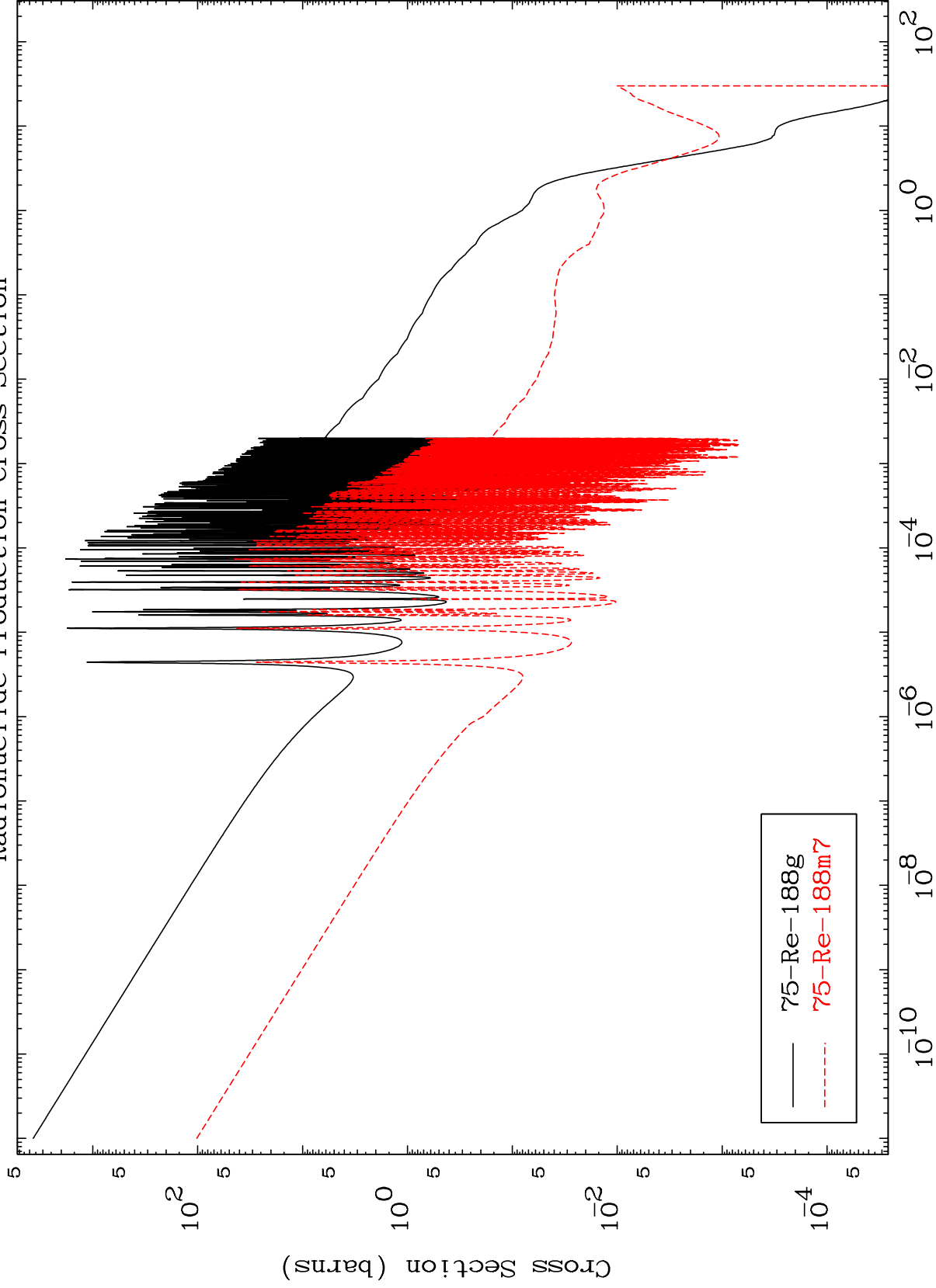
75-Re-187

MAT 7531

75-Re-187

Radionuclide Production Cross Section

(n, γ)



75-Re-187

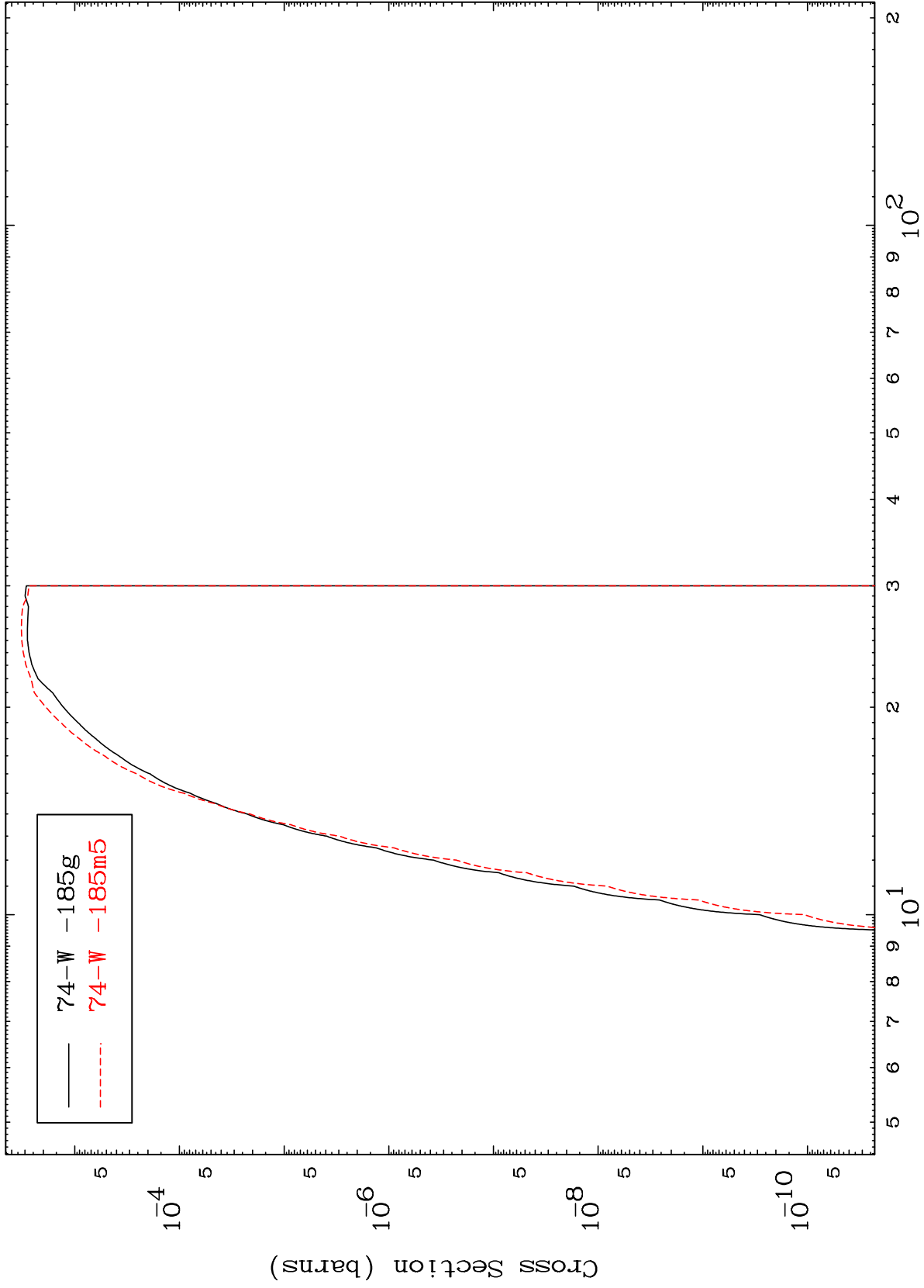
Incident Energy (MeV)

145

MAT 7531

75-Re-187

(n, t)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

75-Re-187